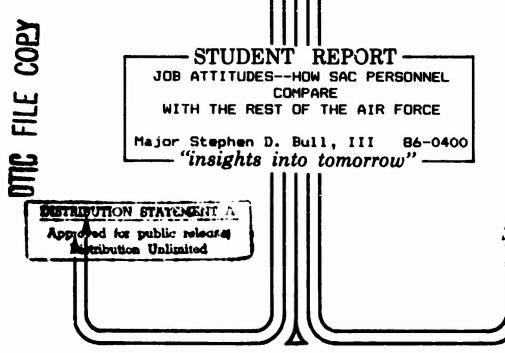


SUL 1 0 1996

AIR COMMAND AND STAFF COLLEGE



86 7 8 069

DISCLAIMER

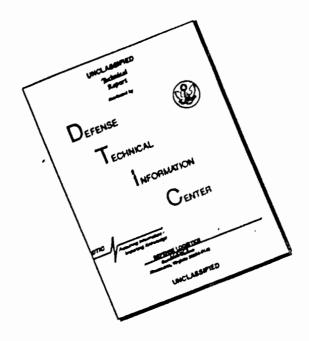
The views and conclusions expressed in this document are those of the author. They are not intended and should not be thought to represent official ideas, attitudes, or policies of any agency of the United States Government. The author has not had special access to official information or ideas and has employed only open-source material available to any writer on this subject.

This document is the property of the United States Government. It is available for distribution to the general public. A loan copy of the document may be obtained from the Air University Interlibrary Losn Service (AUL/LDEX, Maxwell AFB, Alabama, 36112) or the Defense Tec'nical Information Center. Request must include the author's name and complete title of the study.

This document may be reproduced for use in other research reports or educational pursuits contingent upon the following stipulations:

- -- Reproduction rights do <u>not</u> extend to sny copyrighted msterisl that msy be contained in the research report.
- -- All reproduced copies must contain the following credit line: "Reprinted by permission of the Air Command and Stsff College."
- -- All reproduced copies must contain the name(s) of the report's author(s).
- -- If format modification is necessary to better serve the user's needs, adjustments may be made to this report—this authorization does not extend to copyrighted information or material. The following statement must accompany the modified document: "Adapted from Air Command and Staff Research Report (number) entitled (title) by (author)."
- -- This notice must be included with any reproduced or adapted portions of this document.

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

BLANK PAGES IN THIS DOCUMENT WERE NOT FILMED



REPORT NUMBER

86-0400

TITLE

JOB ATTITUDES -- HOW SAC PERSONNEL COMPARE WITH THE REST OF THE AIR FORCE

AUTHOR(S)

MAJOR STEPHEN D. BULL, III, USAF

FACULTY ADVISOR LIEUTENANT RICHARD L. LAMB, LMDC/AN

SPONSOR

MAJOR MICKEY R. DANSBY, LMDC/AN

Submitted to the faculty in partial fulfillment of requirements for graduation.

AIR COMMAND AND STAFF COLLEGE AIR UNIVERSITY MAXWELL AFB, AL 36112

THE PARTY OF THE PROPERTY OF THE PARTY OF TH

PARTIES CONTRACTOR RESISTANCE CONTRACTOR CON

SECURITY CLASSIFICATION OF THIS PAGE										
	REPORT DOCUME	NTATION PAGE								
1. REPORT SECURITY CLASSIFICATION UNCLASSIFIED		1b. RESTRICTIVE MARKINGS								
78 SECURITY CLASSIFICATION AUTHORITY The OECLASSIFICATION/OOWNGRADING SCHOOL		3. OISTRIBUTION/AVAILABILITY OF REPORT STATEMENT "A" Approved for public releases Distribution is unlimited.								
		Distr	ibution is unlimi	ted.						
4 PERFORMING ORGANIZATION REPORT NUM 86-0400	BER(S)	5. MONITORING ORGANIZATION REPORT NUMBERIS)								
6. NAME OF PERFORMING ORGANIZATION ACSC/EDCC	5b. OFFICE SYMBOL (II applicable)	7a. NAME OF MONIT	ORING ORGANIZ	ZATION						
6c. ADDRESS (City, State and ZIP Code) Maxwell AFB, AL 36112-5542	2	7b. ADDRESS (City,	State and ZIP Code	1)						
MAME OF FUNDING/SPONSORING ORGANIZATION	8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT I	NSTRUMENT IDE	NTIFICATION N	NUMBER					
Sc ADDRESS (City, State and ZIP Code)		10. SOURCE OF FUR	NDING NOS.							
		PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.	WORK UNIT					
JOB ATTITUDES HOW SAC PERS	SONNEL									
Bull, Stephen D., III, Majo	or, USAF									
13a. TYPE OF REPORT 13b. TIME C	OVEREO TO	14. DATE OF REPO	RT (Yr, Mo., Day)	15. PAGE 10	COUNT 3					
ITEM 11: COMPARE WITH THE		FORCE								
17 COSATI CODES	18 SUBJECT TERMS (1)	intinue on reverse if n	resserv and identif	ly by block numb	er)					
FIELD GROUP SUB GR										
	. (.4,	· · · · · · · · · · · · · · · · · · ·		,						
19 ANSTRACT (Continue on reverse if necessary an										
This study compares SAC personnel's job attitudes with those of other Air Force personnel, highlights significant differences, and recommends how SAC can best use this information. Job attitudes were measured using the Leadership and Management Development Center's Organizational Assessment Package survey data base. SAC personnel's attitudes differed significantly from those of the data base in 54 of 63 comparisons. SAC officers and civilians were predominantly more positive than their Air Force counterparts, while SAC enlisted personnel were less positive. Study recommends SAC staff disseminate these results to commanders and continue study in the areas of enlisted personnel attitudes and job related satisfaction scores.										
20 DISTIBIUS UN AVAILABILITY OF ABSTRA		21 ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED								
ACSC/EDCC Maxwell AFB, AL.	36112-5542	22b TELEPHONE NUMBER 22i OFFICE SYMBOL (205) 293-2483								

-	-		-		~	-
v	v	-	Н	Δ	"	Н
1	11	ı	1	Л		E

This report represents the first look in recent years at the job attitudes displayed by SAC personnel -- officers, enlisted personnel, and civilians -- as compared with those of their counterparts in the rest of the Air Force. This study was made possible through the diligent efforts of the Leadership and Management Development Center (LMDC) survey and analytical teams over the past eight years. During this period they have visited over 70 bases, interviewing and assisting nearly 300,000 personnel from over 13 major commands/special operating agencies. Their goal was to aid unit commanders in leading more effective organizations. Unfortunately, their service is being discontinued at the end of Fiscal Year 1986 due to budget and manpower reductions. Although there is no way to measure the contribution they have made to the Air Force, this author feels it is substantial. Those unit commanders who have benefited from their insight would surely agree. Accordingly, this research project is dedicated to the men and women in the LMDC at Maxwell AFB, Alabama.

There are several individuals who deserve special recognition for their valued advice and sincerely appreciated patience: Major Mickey R. Dansby, LMDC; Major Stephen L. Havron, Air Command & Staff College; and Lieutenant Richard L. Lamb, LMDC.

The format for this report does not follow the style prescribed by the Air Command & Staff College research handbook. At the request of Major Dansby, the author used the <u>Publication Manual of the American Psychological</u>
Association (3rd edition) and format deviations normally used in LMDC reports. For example, the text is printed in double space and the bibliography lists only those references actually cited in this report.

Accessor



Acces	on For	
DTIC	nounced	
By Di.t it	oction/	
,	Availability	Codes
Di-t	Avail and Specie	•

ABOUT	THE	AU	THO)R
--------------	-----	----	-----	----

Major Bull began his career in the United States Air Force in 1973, following graduation from the United States Military Academy at West Point. He spent his first nine years as a crew member, beginning in the Pacific Theater as a C-130 navigator in the Military Airlift Command. In 1977, he volunteered for aircrew duty in the Strategic Air Command (SAC), where he served until his current assignment to the Air Command & Staff College. His SAC duty included five years as a B-52 radar navigator and three years on the Headquarters SAC staff. During his last year in SAC he served as Executive Officer, DCS/Plans. It was in this capacity that he became a project officer for a Leadership and Management Development Center organizational assessment visit. This experience rekindled his interest in leadership and organizational effectiveness.

Major Bull has concentrated on this field of study during his civilian and professional military education. While at West Point he undertook studies in operations research and systems management in pursuit of his Bachelor of Science degree. He subsequently marned a Master of Science degree in Systems Management from the University of Southern California in 1980. He has complemented this schooling with several professional military education courses: Squadron Officer School in resistence; Air Command & Staff College by seminar; and the National Security Management program by correspondence.

TABLE OF CONTENTS

Preface	iii
About the Author	iv
list of Illustrations	vi ı
Executive Summary	V111
Charles ve Gammar y v v v v v v v v v v v v v v v v v v	
CHAPTER ONEINTRODUCTION	1
Purpose	3
Organization	4
or garres act a service of the servi	
CHAPTER TWOLITERATURE REVIEW	5
Behavioral Research Theory	\$2°
Air Force Studies	7
SAC Background Data	10
Study Expectations	13
CHAPTER THREEMETHOD	1.5
Instrumentation	15
Data Collection Process	1.7
Subjects	18
Frocedures	19
Summary	21
CHAPTER FOURRESULTS	***
Demographic Results	24
Attitudinal Differences	22.7
SAC Officer Attitudes	26
MAC Enlisted Personnel Attitudes	30
SAC Civilian Attitudes	32
Summary	33
CHAPTER FIVEDISCUSSION	35
limitations and Assumptions	35
Theoretical Expectations	3.7
Demographic Differences	4.
Significant OAP Factor Differences	44
Cumpany	4

CONTINUED

Lonclusio	ons.	CONCLUSIONS.								 •						•
BIBLIOGRAPI	нү.		•••••		• • •	• • •	••	• •	 •	 •	• •	• •	•	•	•	•
APPENDICIES																
Appendix	A,	Demographic	Surve	y	Da	ta.				 •			•	•	•	•
		Attitudinal														
		Organization														
	,	Factors and	Varia	bl	es	• • •										

LIST OF ILLUSTRATIONS

TABLES

TABLE	1	Significantly Different Attitudes Between
		SAC Personnel and other Air Force Personnel 28
TABLE	2	OAP Factor 822, Job Related Satisfaction 38
TABLE	3	Career Intentions
TABLE	4	Key OAP Factor Scores
TABLE	A-1	Number of Responses by Personnel Category 59
TABLE	A-2	Sex by Personnel Category 59
TABLE	A-3	Age by Personnel Category 59
TABLE	A-4	Time in the Air Force
TABLE	A-5	Months in Fresent Career Field 60
TABLE	A-6	Months on Station 61
TABLE	A-7	Months in Present Position 61
TABLE	A-8	Ethnic Group 62
TABLE	A-9	Marital Status 62
TABLE	A-10	Spouse Employment Status: SAC
TABLE	A-11	Spouse Employment Status: Air Force 63
TABLE	A-12	Education Level 64
TABLE	A-13	Highest Level
		Professional Military Education
TABLE	A-14	Number People Directly Supervised 65
TABLE	A-15	Number of Feople for Whom Respondent
		Writes OER/APR/Appraisal
TABLE	A-16	Supervisor Writes Respondent's
		OER/APR/Appraisal
TABLE	A-17	Work Schedule be
TABLE	A-18	Supervisor Holds Group Meetings
TARLE	A-19	Supervisor Holds Group Meetings to
		Solve Problems
TABLE	A-20	Aeronautical Rating and Current Status 66
TABLE	A-21	Career Intent
TABLE	B-1	Comparison of UAP Factor Scores
		Between SAC and other Officers
TABLE	B-2	Comparison of DAP Factor Scores
		Between SAC and other Enlisted 7.
TARLE	H-3	Comparison of CAP Factor Scores
		Retween SAC and other Civilians



EXECUTIVE SUMMARY

Part of our College mission is distribution of the students' problem solving products to DoD spensors and other interested agencies to enhance insight into contemporary, defense related issues. While the College has accepted this product as meeting academic requirements for graduation, the views and opinions expressed or implied are solely those of the author and should not be construed as carrying official sanction.

_	"insights	into	tomorrow'
_	-		

REPORT NUMBER

86-0400

AUTHOR(S)

MAJOR STEPHEN D. BULL, III

TITLE

JOB ATTITUDES--HOW SAC PERSONNEL COMPARE WITH THE REST OF THE AIR FORCE

- I. <u>Purpose:</u> To compare the job attitudes of Strategic Air Command (SAC) personnel with those of the rest of the Air Force, highlight significant differences, and develop recommendations on how the SAC staff can best use this information.
- Background: Understanding job attitudes has long been recognized as a one of the keys to effectively improving organizational morale and productivity. attitudes can have a strong influence on an organization's reputation and its recruiting and retention programs. Comparing the attitudes of SAC personnel on a command scale with those of other personnel in the Air Force can provide a unique perspective of where SAC's organizational strengths and weaknesses lie. Until recently, the Air Force did not have a method for measuring and comparing these attitudes. However, with the advent of the Organizational Assessment Package (OAP), developed by the Leadership and Management Development Center (LMDC) at Maxwell AFB, Alabama, the Air Force gained an excellent vehicle for performing this task. Officials at SAC and LMDC recognized this opportunity and sponsored this research for that purpose.

CONTINUED

III. Procedure & Results: The following steps were taken to achieve the goal of this research:

1. Past Air Force and SAC studies were reviewed to identify historical attitude trends and problem areas which might be useful in evaluating the survey results.

- 2. Using the LMDC data base compiled from October 1981 through September 1985, the author compared demographic characteristics and attitudinal mean scores for SAC personnel and the remaining data base. The data base totaled over 108,000 personnel (18,000 SAC). Statistically significant score differences were identified using test analysis procedures for the 95% confidence level.
- 3. A general demographic comparison showed SAC respondents to be younger, less experienced and slightly less educated than the data base. SAC personnel career intentions compared favorably with those of other Air Force personnel. Only SAC enlisted personnel showed a noticeably lower percentage of those "continuing" or "likely to continue" their careers.
- 4. SAC personnel attitudes were significantly different from those of their Air Force counterparts in 54 of 63 score comparisons (officers--15/21, enlisted personnel--18/21, and civilians--21/21). The scores generally reflected more positive attitudes for SAC officers and civilians, particularly in their appraisal of work group productivity, job importance, and management/supervisory communications. SAC enlisted personnel indicated less favorable attitudes in nearly every comparison.
- 5. The magnitude of attitude score differences was less than .25 points (on Likert scale of 1 to 7) for all but 7 comparisons. These seven areas highlighted a near uniform perception that SAC jobs are less autonomous, more repetitive, and less intrinsically motivating. Despite this, SAC personnel also indicated a relatively greater desire for more easy and repetitive work and a lesser desire for more "job enrichment."

IV. Conclusions:

1. SAC officers and civilians collectively displayed more positive attitudes towards their jobs and organizations than did their Air Force counterparts. Their stronger perceptions of work group productivity, task importance,

CONTINUED

and the work group process (management and communications) underscored the dedication and teamwork concept that are integral to the SAC mission.

- 2. SAC enlisted personnel were less positive in appraising their jobs and organizations. They exhibited a definite trend of lower scores in comparison to the other Air Force enlisted personnel. Unlike the SAC officers and civilians, they were less confident in their organizational effectiveness and job importance.
- 3. The most significant area of specific attitude differences centered on task characteristics—less task autonomy and greater work repetition. These are not negative. They are compatible with the controlled environment of SAC's nuclear deterrence mission.
- 4. The lower scores for job related satisfaction for SAC officers and enlisted personnel do not support a correlation between job satisfaction and career intention. The less favorable career intentions for SAC enlisted personnel may only reflect a predominantly younger enlisted force and the Air Force-wide lower reenlistment rate for first term airmen. Of greater interest is the potential impact of family attitudes on job satisfaction. The SAC civilians scored very well in job related satisfaction. Family separation as a result of TDY or alert duty is the most noticeable difference between civilian work and military duty.

V. Recommendations:

- 1. SAC Headquarters should provide the results of this survey to the field via wing commander conferences, squadron commander workshops, and the SAC NCO Leadership School.
- 2. SAC Headquarters should study the enlisted personnel arena. Their attitude scores indicate the greatest potential for improvement, particularly in the area of job importance and commitment to organizational goals.
- 3. SAC Headquarters should conduct additional study to identify the critical factor(s) impacting job related satisfaction for officers and enlisted personnel.
- 4. SAC Headquar as should obtain a copy of the LMDC data base for future analysis before their organization disbands at the end of Fiscal Year 1986.

Chapter One

INTRODUCTION

The Strategic Air Command (SAC) has long been considered the cornerstone of the United States Air Force. Organized in 1946, a full year shead of the Air Force, its nuclear strategic mission dominated our defense budget and drove our national strategy of massive retaliation through the early 1960's (Keany, 1984). Since then, SAC has continued its nuclear deterrent role by maintaining two of the three legs in our nation's nuclear triad--the land based intercontinental ballistic missile and long range bomber aircraft. SAC's role in the Cuban Missile Crisis highlighted the power it can bring to bear in resolving international crises. More importantly, this power is not restricted to the threat of nuclear war. When the Vietnam peace negotiations stalled in December 1972, it was SAC's round-the-clock bombing that convinced the North Vietnamese to resume the peace talks in earnest (Szulc, 1978; Keany, 1984). Despite this critical role SAC plays in our national defense, the attraction of SAC duty sometimes pales beside the glamour of serving in other Air Force commands.

For many, SAC duty is synomynous with longer hours, frequent inspections, monotonous duty, regular family separation and isolated base locations (Peterson, 1971;

Wilson, 1972). This author often heard phrases like "no one volunteers for SAC" and "to err is human, to forgive is not SAC policy" long before he elected to pursue his Air Force career in SAC. If these phrases reflect a common perception of SAC duty, then it is understandable why new officers and enlisted personnel would be reluctant to volunteer for SAC duty. This point was driven home in December 1973, when General Meyer, then Commander—in—Chief of SAC, indicated to it Gen Roberts, AF/DP, and Lt Gen McBride, ATC/CC, that SAC would not accept new pilots unless higher caliber pilots were more evenly distributed among the commands (Dallenbach, 1985).

かっている。 できないとう のののできない ひんとくくない ないとくないし

Prior to General Meyer's decision, pilot and navigator students selected their assignments in the order of their class standing. SAC oftentimes received the students ranked in the bottom third of their class. Concerned that these students would perceive their SAC assignments as "punishment" and develop a "failure syndrome," Lt Gen Keck, SAC/CV, successfully advocated a revised assignment system (Dallenbach, 1985).

The pilot assignment issue is symptomatic of the effects of negative numbers of SAC duty. More importantly, if these negative numbers have any merit, then one would expect the morale and job attitudes of SAC personnel to be markedly lower than those of the rest of the Air Force population. Unfortunately, no one has conducted a survey to specifically

address this issue. Until recently, the Air Force did not have a method for measuring and comparing these attitudes. However, with the advent of the Air Force Leadership and Management Development Center's (LMDC) Organizational Assessment Package (DAP), the Air Force gained this capability. Since 1978, the LMDC has administered the DAP survey to units of all commands throughout the Air Force, collecting nearly 300,000 responses (Lamb, 1985). This data base provides a vehicle for comparing the demographic characteristics and attitudes of SAC personnel—officer, enlisted, and civilian—with those of the Air Force population at large.

Purpose

The purpose of this report was to use the OAP data base to highlight demographic and attitudinal differences between SAC personnel and other Air Force personnel. Any differences which satisfy the 95 percent statistical confidence level were considered significant. These differences, whether positive or negative, are evaluated and provided to SAC so they can use this information in educating their unit commanders and NCO leaders on SAC personnel attitudes. This information may also prove useful in reviewing, revising and formulating SAC personnel policies.

Organization

This report is structured in the same manner the research was conducted. Chapter Two is a literature review of background studies on SAC and Air Force personnel issues and applicable behavioral research theory. Chapter Three provides a description of the methodolgy used—the survey, the method of collection, who the participants were, and how the data were analyzed. Chapter Four details the statistical results of comparing the demographic and attitudinal characteristics of each population. Analysis of the results, Chapter Five, explores possible explanations for any significant differences. Chapter Six summarizes the evaluation and lists recommended actions for SAC to pursue.

こうこうかん かんしょう こうしょう こうしゅうしゅう こうしゅうしゅ こうしゅうしゅうしゅう

Chapter Two

LITERATURE REVIEW

Although there are no previous studies which compare SAC personnel job attitudes with those of the Air Force population at large, there are several studies which either address specific SAC problem areas or provide a "macro" view of Air Force personnel attitudes. These studies, combined with behavioral research theory, can provide a reasonable background for understanding the OAF survey results.

Behavioral Research Theory

Understanding job attitudes is important because they influence our approach to work and our subsequent behavior or quality of performance. If one wants to alter a behavior, one method is to change the attitude. Because attitudes are formed on the basis of one's experiences, it is possible to modify an attitude by controlling the experiences associated with that attitude (Gray & Starke, 1984). Knowing which factors motivate high productivity then becomes important if one desires to foster a positive job attitude within his or her personnel. There are several complementary motivation theories which examine these factors.

Maslow's (1954) Hierarchy of Needs is one of the most widely known theories. He postulates man is motivated by an ascending hierarchy of needs: physiological, security, social, self-esteem and self-actualization. These needs may be satisfied concurrently or individually; however, the theory proposes the motivation to fulfill a higher level needs occurs only if the lower level needs are satisfied. McGregor's (1960) Theory X and Theory Y suggests individual motivation is also a function of commitment to organizational goals and the awards earned for achieving those goals. Vroom's (1964) Expectancy Theory further suggests a motivated individual must value the reward offered and feel the goal is achievable (Dubrin, 1978).

さんながれ これなかな これのだれ

Herzberg's (1956) Two Factor Theory introduced the concept of job enrichment by addressing motivation as a function of job characteristics versus individual needs. He classified these characteristics as either hygiene factors, which prevent job dissatisfaction, or motivation factors, which promote job satisfaction. Hygiene factors (salary, working conditions, interpersonal relations) cannot motivate employees, nor can motivation factors (achievement, responsibility, recognition) prevent job dissatisfaction. The important point is that job satisfaction is achieved only through motivation factors, not hygiene factors.

dissatisfied work force, as well as an unmotivated, but satisfied work force (Dubrin, 1978).

One other factor bears mentioning—stress. Negative stress can cause disruptive behavior, hurting both individual performance as well as organizational effectiveness. Several potential sources of negative stress within an organization are exorbitant work demands, role ambiguity, role conflict and underutilization of abilities (Dubrin, 1978).

These behavioral theories identify and interrelate different factors impacting motivation and job attitudes.

The Air Force studies and SAC background data examine these factors in more detail.

Air Force Studies

There are two studies of note which address the attitudes of the Air Force population at large. The first, conducted in 1975 after the current all-volunteer force was instituted, examined the career intentions of officers and enlisted personnel. The second study, completed in 1980, examined the correlation between command of assignment and individual job satisfaction and motivation.

Pettit's (1975) study, "Leadership and Management in the All-Valunteer Air Force," provides a benchmark on the key factors affecting Air Force personnel career intentions.

The strongest positive factor for officers, regardless of

their time in service, was the job itself. For officers with less than eight years of service, the second most important factor was pay and allowances. Older officers rated retirement next. Unlike the officers, the enlisted personnel did not agree on the most favorable factor. First term airmen cited training and education as the prinicipal satisfier, while career airmen rated retirement highest. However, they both agreed on fringe benefits as the second strongest factor.

Job dissatisfiers reflected the same trend as career motivators. All officers rated family separation as the single most unfavorable factor. Junior officers ranked policies and procedures second, while senior officers were more concerned with little say in assignments. The enlisted personnel disagreed on the number one irritant—first term airmen cited policies and procedures and career airman selected family separation. First term airmen ranked family separation as the second greatest dissatisfier and career airmen ranked little say in assignments next (Pettit, 1975).

Pettit's (1975) study attempted to measure job satisfaction as a function of career intentions. Other studies have shown there is only a low-to-moderate inverse correlation between personnel turnover and job satisfaction (Baron, 1983). Therefore, career intent alone is not a good indicator of job satisfaction. Schneider (1984) argues a better measure is the combination of several variables: the

the state of the s

individual's self-esteem, family situation, and supervisor's behavior. This is in concert with Herzberg's (1966) Two Factor Theory (Hersey & Blanchard, 1982). Based upon these theories and the Pettit (1975) study results, one should expect to see commands which ignore job motivators (achievement, increased responsibility, recognition) and force family separation to exhibit lower job satisfaction and higher personnel turnover. A subsequent study of four major Air Force commands supported this viewpoint.

Dirnberger's (1980) study, "Organizational Assessment: Implications for Air Force Major Air Commands," demonstrated a strong, consistent relationship between job satisfaction and command of assignment. His report did not identify which commands were studied, but labeled the results by "Command 1, 2, 3, or 4." Commands 1 and 2, which scored significantly higher in job attitudes and individual motivation factors, also shared unique demographic characteristics: (a) greater percentage of females; (b) greater percentage of civilians; (c) greater percentage of personnel with more than 4 years time of service; (d) greater average time on station; and (e) over 80% of the personnel had a stable day shift. Commands 3 and 4 scored much lower and also shared some unique characteristics: (a) preater percentage of swing shift, mid shift and crew and v: (b) twice as many enlisted personnel as the other two

commands; and (c) greater personnel turnover (separation, retirement).

A Company of the Comp

Secretary Secretary

The difference between the highest and lowest scoring commands was significant. Command 2 scored the highest in 20 of 23 factors, and second highest in the remaining three factors. Command 4 scored lowest or next to lowest in every category except one (Dirnberger, 1980). Although pure demographic characteristic comparison is not a valid measure of job satisfaction (Schneider, 1984), Dirnberger (1980) suggested commands with more stable assignments, more civilian personnel and better supervisory climate enjoy better personnel job attitudes and higher individual motivation.

SAC Background Data

Three SAC studies provide valuable insight into the work environment of the SAC combat crew member. Understanding the nature of SAC duty is a prerequisite to evaluating the EMDC GAP survey results. The studies conducted by Peterson (1971), Wilson (1972), and Donnelly (1982) examined the problems confronting the SAC alert crew member.

If one were to summarize SAC duty in one word, it would be "alert." Ever since the Soviets launched Sputnik in 1957 SAC has continuously maintained a portion of its bomber and missile force on twenty-four alert status (Wilson, 1972). This means keeping aircrews, missile crews and maintenance

personnel ready to launch the fleet within a moment's notice. This mission of providing a viable nuclear deterrent against any potential aggressor has imposed significant obstacles to maintaining high morale on the crew force.

The principal morale problem associated with aircrew alert duty is frequent and prolonged family separation (Wilson, 1972). A SAC aircrew member will typically spend one week out of three away from his or her family. Although one can see their family while on alert, it does little to ease the strain. As one crew member was quoted in the AF Times, "Meeting the family at the BX or Officers' Club gets tiresome, and alert duty places the burden of raising a family on the wife" (cited in Wilson, 1972). Watching lieutenant colonels and senior majors serving alert tours only discourages the younger officers' hope of someday escaping alert duty (Wilson, 1972). This dissatisfaction with alert duty is shared by missile crew members.

Peterson's (1971) study, "Results of a Survey of SAC Missile Combat Crews," indicated SAC crew members were convinced of the importance of their mission, but were mightly dissatisfied with several aspects of their jobs. These included: long hours, lack of job satisfaction, tack of prestige, the completely boring nature of missile alert duty, and the frequency of inspections and evaluations.

This last complaint is also common to aircrew duty and underscores the high stress environment of SAC duty.

The importance of the SAC mission and critical nature of dealing with nuclear weapons demands strict adherence to checklist procedures. Continuous practice leads to monotony and excessive testing creates constant stress to always succeed. Although the pressure to never make a mistake may be self-imposed by the crew member, the resulting stress is very real. This high stress can eventually lead to lower self-esteem and decreased job satisfaction (Baron, 1983).

The location of many SAC bases also has a negative effect on many SAC personnel. Called the Northern Tier, SAC maintains five bases that are in very cold climates and in sparsely populated areas. Manning these bases with volunteers presents a very difficult challenge for SAC personnel officers. Donnelly's (1982) study, "Increasing the Number of Rated Officer Volunteers for Aircrew Duty at SAC Northern Tier Bases," addressed this problem in detail. SAC offers a "reduced" three year tour to crew members who volunteer for a Northern Tier assignment. Despite this, only 50% of the positions are filled with volunteers. The remaining positions are then filled with non-volunteers from recent graduates of undergraduate flying training, accessions from other commands, and officers returning from staff duty. The strong likelihood of serving your initial

SAC tour at one these less desirable locations may influence the number of volunteers for SAC duty.

Study Expectations

The literature review suggests several results from comparing SAC personnel attitudes with those of the Air Force community at large. The nature of SAC crew duty--frequent family separation, isolated base locations, routine tasks in a high stress environment--will cause a lower relative job satisfaction score (Baron, 1983; Schneider, 1984). However, this job dissatisfaction will not preclude a strongly motivated work force (Herzberg, 1966). SAC personnel's sense of job importance suggests a strong commitment to organizational goals and corresponding high motivation (McGregor, 1960). This commitment and motivation should result in higher scores for perceived job importance and confidence in work group effectiveness.

Unmographic characteristics and personnel attitudes suggests SAC personnel may have lower aggregrate attitude scores. SAC demographic characteristics more closely approximate those of the lower scoring commands. However, this lower attitude score will not necessarily manifest itself in less favorable career intentions (Baron, 1983).

Chapter Three

METHOD

The information used for this study was gathered with the Leadership and Management Development Center's (LMDC) Organizational Assessment Package (OAP). This chapter describes the OAP survey, the data collection process, the subject groups evaluated and the procedures used for analyzing the data. Understanding the theory upon which the OAP was developed, the method by which it is administered, and how the data is analyzed is a prerequisite for interpreting the results. Equally important, the validity and credibility of the survey itself must be documented.

Instrumentation

The DAP survey was developed jointly by LMDC and the Air Force Human Resources Laboratory (AFHRL) to assist LMDC consultants in evaluating unit organizational leadership weaknesses and strengths. It also provides a data base for Air Force-wide organizational effectiveness research efforts (Short, 1985).

Silven the complexity of the organizational environment and the numerous variables which can impact leadership effectiveness, the OAP was developed using the "contingency"

approach to leadership (Short, 1985). This approach contends that no single leadership style is consistently effective. Instead, it suggests that the most effective leadership style is dictated by the unique situation each leader confronts. Therefore, the "contingency" approach is ideally suited to evaluate leadership effectiveness across the broad spectrum of missions, organizational structures, and work group maturity found throughout the Air Force. The specific model used, Hendrix's (1976) "Three Component leadership Effectiveness Model," measures both the style of leadership and the situational environment. It also measures organizational effectiveness in terms of job satisfaction, organizational climate and workers' perceived productivity (Short, 1985; Davis and Dotson, 1981).

The DAF survey (Appendix C) consists of 109 items which solicit specific demographic data and indications of the respondent's attitudes toward job characteristics, job desires, supervision, work group productivity, organization climate and various job related issues. These items are later combined to form 21 statistical factors which measure the work group input, process and output. This composite picture portrays the organization's overall effectiveness.

The credibility of the OAP has been excellent. From its initial field test in 1978 through more recent studies, the OAP validity, reliability and factor consistency have consistently been rated above average to excellent (Short,

1985; Hightower and Short, August, 1982; 1982a; 1982b). The accuracy of the factors measured by the OAP were found to remain valid even if some of the underlying assumptions in the Hendrix model were inapplicable (Oebbeck, 1980).

Data Collection Process

The DAP data base used in this study is compiled from anonymous individual DAP surveys administered during LMDC management consulting visits. The LMDC team only visits a unit if invited by the unit commander. They collect data through mandatory group survey sessions. Each survey is identified only by the respondent's work group code. This insures individual anonymity while still enabling the LMDC consulting team to give each supervisor +eedback on his or her effectiveness as perceived by the subordinates. webs after the survey, the LMDC team returns to brief individual supervisors and commanders on their organization's strengths and weaknesses. These feedback sessions are tailored to address only those areas or which each supervisor or commander is responsible. The EFDC team may also recommend management action plans to i mirove any weak areas.

The feam returns four to seven months later and miministers a post-intervention (secondary) OAP survey to see if there is any positive effect from the recommended

changes. These results are then reported to the commander and individual supervisors.

The data collected from the numerous surveys are stored in a cumulative data base. The data base used for this study includes all pre-intervention (initial) surveys conducted from October 1981 through September 1985. Data collected prior to October 1981 are maintained in a separate historical data base.

TORONO CONTRACTOR CONTRACTOR CONTRACTOR

Subjects

The two groups evaluated were SAC personnel and the remaining LMDC data base. For SAC this includes all officers, enlisted personnel, and Department of the Air Force civil service personnel. The LMDC data base represents all other Air Force personnel, including some Air Force Reserve and Air National Guard personnel. The respective sample sizes are 18,477 (SAC) and 89,707 (Air Force). A more detailed breakout is listed in Table A-1, Appendix A. The entire data base represents over 70 bases and 13 major commands/special operating agencies. The ten SAC bases surveyed include six bomber bases (Anderson, Blytheville, Ellsworth, Fairchild, Foring, Plattsburg), three missile bases (Ellsworth, Vandenberg, Whiteman), a reconnaissance base (Beale), and Headquarters SAC at Offutt OFB (Lamb, 1985).

Procedures

The analysis of the survey results was conducted in two separate stages. Examination 1, "Analysis of Demographic Information," characterizes the sample groups and may provide some insight into any attitudinal differences bighlighted in the second examination. Examination 2, "Comparison of SAC Personnel to Other Air Force Personnel," compares the attitudinal responses for each personnel category (officer, enlisted, civilian) in SAC with those of their counterparts in the remaining Air Force data base.

The number n shown throughout the study represents the total number of valid responses in the data base for the corresponding item or factor. The value of n fluctuates due to test marking errors or skipped questions. Despite this, the remaining sample size is always large enough to ensure a stable measure. Statistical analyses were performed using the appropriate procedures in SPSS* User's Guide (1983).

Examination 1, Analysis of Demographic Information

では、これではながら、これでものはなが、これではないでは、「アンドアンドル」「ないないない」。

for this analysis, the LMDC data base was divided into two groups: those responses from SAC personnel and those from the remaining data base. SPSS* subprogram "Crosstabs" was used to analyze the data.

Examination 2, Comparison of SAC Personnel to Other Air Force Personnel

In this analysis, SAC attitudinal responses were compared by personnel category to the corresponding Air Force attitudinal responses. The null hypothesis assumes there are no significant attitudinal differences between SAC and the Air Force population. Two-tailed t-tests were used to determine if there were any significant differences. The level of significance for all t-tests was alpha = .05, which equates to a 95% statistical confidence level. An F-test was used to test the assumption of equal variances. Where necessary, t-tests for unequal variance groups were used. The tabulated results of this comparison are grouped by areas of organizational functioning (detailed description is at Appendix C). These areas include:

- 1. Work Itself. Measures perceptions of task characteristics and environmental conditions.
- 2. Job Enrichment. Measures degree to which respondent finds his or her job interesting, meaningful, challenging and responsible.
- 3. Work Group Process. Assesses the effectiveness of supervisors and the method for accomplishing the work.
- 4. Work Group Output. Assesses perceptions of quality and quantity of output, pride, individual satisfaction and overall organizational climate.

A CONTRACTOR OF THE PROPERTY O

Summary

The DAP survey is designed to measure organizational leadership and management effectiveness as a function of leadership style, subordinate perception of success and the situational environment. It is based on the "contingency" approach to leadership, using Hendrix's (1976) "Three Component Leadership Effectivenes Model." The validity, reliability, and factor consistency of the DAP have been consistently tested and rated above average.

The data base used in this study was compiled through anonymous individual OAP surveys administered by the LMDC management consulting team during unit visits from October 1981 through September 1985. The LMDC team visited units only upon the request of the unit commanders. The data base contains over 108,000 responses from personnel representing over 13 major commmands/special operating agencies at over 70 bases. This includes over 18,000 SAC responses from 10 SAC bases.

Chapter Four details the results of the two separate examinations, "Analysis of Demographic Information," and "Comparison of SAC Personnel to Other Air Force Personnel." The latter compared attitude scores of SAC personnel with those of their Air Force counterparts. Only those differences which exceeded the 95% confidence level were considered statistically significant.

Chapter Four

RESULTS

The results of the comparisons between SAC personnel and other Air Force personnel are presented in two parts.

Examination 1 portrays the demographic characteristics of the SAC respondents. This analysis characterizes the respondents to the survey. The attitude survey results of Examination 2 are presented in a different format—each SAC personnel category (officer, enlisted, civilian) is compared to its Air Force counterpart in each of the four areas of organizational functions (work itself, job enrichment, work group process and work group output).

A general demographic comparison reflects that the SAC population is typically younger, less experienced and less educated than other Air Force personnel. The attitudes SAC personnel share toward their jobs, supervisors and co-workers differ significantly from those of the other Air Force respondents in almost every area of analysis. However, the degree and direction of difference depends very much upon which personnel category is evaluated. SAC officers and civilians share a predominantly more favorable oucloof, while the enlisted personnel are less positive.

The reader is reminded these comparisons reflect the responses in the LMDC data base only, and may not reflect the normative values for SAC and the Air Force as a whole.

Demographic Results

The results of Examination 1 are detailed in Tables A-1 through A-21, Appendix A. As a command, SAC is comprised of a greater percentage of enlisted personnel (72% versus 64%) and fewer civilians (15% versus 25%). Although the overall percentages of females in SAC versus the Air Force are comparable, the majority of SAC females are enlisted personnel (53%) while the majority of other Air Force females are civilians (53%). The distribution of ethnic groups is consistent between officers and enlisted personnel for both sample groups; however, SAC civilians have relatively fewer Hispanics than the other civilian population (4% versus 18%). The majority of SAC respondents are married and living with their spouses. However, proportionally fewer SAC officer and enlisted personnel spouses are employed. While a majority of SAC personnel have their performance reports written by their supervisors, there remains approximately 10% who do not know who writes their reports.

Characteristics such as age, experience, time on station, and career intent vary with each personnel category. The majority of SAC officers are between 26 and

35 years old, have more than 4 years of service, and have been in their present career fields over 36 months. majority (85%) have less than 36 months on station. 50% have spent less than 12 months in their current jobs. majority of officers are supervisors, usually of groups exceeding four people. Approximately 45% hold advanced academic degrees and over 60% are graduates of a professional military education program. While over 50% of the officers work a day shift schedule, another 30% follow a crew duty schedule or are frequently gone TDY. Only 20% of the remaining Air Force population describe their work as crew duty or frequent TDY. Nearly 44% of the SAC officers have an aeronautical rating compared to only 35% of the other Air Force officers. Over 70% of the SAC officers surveyed indicated they would definitely, or most likely, make the Air Force a career.

The majority of the SAC enlisted personnel are 17 to 25 years old. While only 41% of the other Air Force enlisted personnel have less than 4 years of service, nearly 50% of the SAC enlisted personnel fall in this category. There is a corresponding difference in job experience and time on station. A greater percentage of SAC enlisted personnel have less than 36 months in their current career fields (47% versus 41%) and less than 18 months on station (55% vesus 49%). Over 46% have some college education, but no degree. A definite majority (63%) follow a normal day shift

schedule. Fewer than 35% of their supervisors use group meetings to solve problems. Only 48% of the SAC enlisted personnel expressed interest in making the Air Force a career. Over 27% indicated they intend to separate or would probably not make the Air Force a career.

The majority of SAC civilians are over 40 years old. have over 12 years of service, over 36 months in their present career fields, and over 36 months on station. While 48% have spent over 36 months in their present duty position, only 41% of the other Air Force civilians are similarly experienced. Unlike the SAC officers and enlisted personnel, a majority of civilian personnel's spouses (70%) are employed. Although the majority of SAC civilians have progressed beyond high school, only 14% have earned a college degree, compared to 25% for their other Air Force counterparts. Very few SAC civilians (33%) are super/isors and fewer still actually rate the performance of the people they supervise (21%). Nearly 88% work a day shift schedule. Fifty percent of their supervisors hold group meetings on a weffily or more frequent basis. Only 35% of their Air Force counterparts hold meetings with the same regularity. Like the SAC officers, 70% of the SAC civilians are interested in continuing their Air Force career.

Attitudinal Differences

The attitudes expressed by SAC personnel differed significantly from those of their Air Force counterparts. The officers differed in 15 of 21 OAP factors, the enlisted personnel in 18 factors, and the civilians in all 21 factors. Table 1 depicts the results by area of organizational functioning, DAP factor, and personnel category. Areas of significant different attitudes are marked with either a plus or minus sign. A plus sign indicates the SAC personnel score was higher than that of their Air Force counterparts; a minus sign indicates a lower relative score for SAC personnel. Detailed comparisons of mean scores, scandard deviations, degrees of freedom and totest results are presented in Tables 8-1 through 8-3 in Appendix B. The factor numbers annotated in parentheses are provided for cross reference between the text, the tables in Appendix B, and the factor definitions in Appendix C.

Although a majority of statistical comparisons exceeded the statistical criterion for significant difference (alpha = .0%), the magnitude of actual mean score differences was usually less than .25 of a point on a scale of 1 to 7. In fact, only 7 of the 63 factors reflected a difference greater than .25 of a point. Specific results are detailed by personnel category and functional area.

Table 1
Significantly Different Attitudes Between SAC Personnel and other Air Force Personnel

Function	DAP Factor (Factor number)	Off	En1	Civ
Work	Job Performance Goals (V810)	+		+
Itself	Task Characteristics (V812)		_	4.
	Task Autonomy (VB13)	-	-	
	Work Repetition (VB14)	+	+	+
	Desired Repetitive/Easy Tasks (V816)	+	+	+
	Job Related Training (V823)	+		+
Job	Skill Variety (VB00)	_	_	4
Lorichment	Task Identity (VBO1)	+		ş-
	Task Significance (VBO2)	+		+
	Job Feedback (V804)		-	+
	Need for Enrichment (VBO6)		_	
	Job Motivation Index (V807)		-	4.
Work Group	Work Support (V805)	-	_	_
Process	Management and Supervision (V818)	+		+
	Supervisory Communications Climate (VB19)	+		• 🟲
	Organizational Communications Climate (VB20)			•
Work Group	Pride (V811)			+
Output			-	+
	Perceived Productivity (V821)	+	_	+
	Job Related Satisfaction (V822)	-	-	-+
	General Organizational Climate (V824)	-	+

SAC Officer Attitudes

SAC officers generally reflected more positive attitudes toward their work than the other Air Force officers. In the functional area, work itself, they considered their goals more clear, realistic and challenging (V810). They classified their jobs as very repetitive in nature (V814) and less autonomous, leaving little room for independent

decisions (VB13). However, they also have a greater desire for jobs which are more repetitive and easy (VB16). They are also more pleased with the quality of their training than are their counterparts (VB23).

In the area of job enrichment, SAC officers did not feel they needed to apply as great a variety of skills in successfully completing their tasks (V800). They also felt a stronger identity with their job or mission (V801); one which they felt has a more significant impact on the lives of others (V802). They did not consider their jobs to be as intrinsically motivating (V807). Despite this, their desire for greater job enrichment is less than what their Air Force counterparts expressed (V806).

The work group process scores show SAC officers felt
their supervisors generally set higher performance standards
and established better work procedures than those of their
Air Force counterparts (V818). They also felt they enjoy a
better rapport with their supervisors—reflecting the
cumulative impact good working environment, encouraged
theory and performance rewards (V819). However, they
had a less enthusiastic attitude towards the work support
provided, such as inadequate tools, work space or competing
additional duties (V805).

The work group output results indicate SAC officers felt more positive about their work groups' quality of work, quantity of work, and ability to perform under pressure

(V821). Their sense of pride and perceived apportunity for advancement did not differ significantly from other Air Force officers (V811, V817). Additionally, their overall job satisfaction was less, reflecting the cumulative inputs of work schedules, family attitudes, job security, and co-worker relationships (V822).

The state of the state of

SAC Enlisted Personnel Attitudes

The attitudes of the SAC enlisted personnel were generally more negative than those of their counterparts. Like the officers, they characterized their jobs as more repetitive (V814) and less autonomous (V813). They also felt their job performance goals were less specific, challenging and realistic than did their enlisted counterparts (V810). Although they agreed to a fairly large extent that their tasks require individual initiative, skill variety and responsibility, their task characteristic score was significantly lower than that of their counterparts (V812). Like the officers, their desire for more repetitive and easy tasks significantly exceeded that of their counterparts (V816).

In the area of job enrichment, the SAC enlisted personnel were less enthusiastic about the intrinsic motivation potential of their tasks (V807). They felt their tobs did not demand as great a variety of skills (V800). They did not identify as strongly with their jobs (V801),

nor did they ascribe as much importance to their specific tasks in the total mission accomplishment (V802). They also did not feel they received as much clear, direct feedback on their job performance (V804). Despite this, their desire for tasks with more opportunity for individual growth, multiple disciplines, and more independence was less than what their counterparts expressed (V806).

The SAC enlisted personnel were less condemning of the work group process. Their attitudes towards the quality of management and supervision, as well as supervisory communications were neutral, like those of their Air Force counterparts (V818, V819). However, they were less enthusiastic about the work support they received (V805). They were also less positive towards the quality of organizational communications, indicating a perception of motor restricted communications (V820).

Significant difference in all factors. The SAC enlisted personnel felt less personal pride and perceived less opportunity for achievement and recognition (V811, V817). Unlike the officers, they did not express a greater confidence in their work groups' performance capability (V817). This attitude was also reflected in their lower Job Schaced Satisfaction score (V822) and corresponding lower estimation of organizational pride, teamwork, and in janizational communications (V824).

SAC Civilian Attitudes

Not only did the SAC civilians differ significantly from their counterparts in every factor, their attitudes were predominantly more positive. In the first functional area, work itself, they felt their goals were more specific, clear and challenging (V810). They expressed a higher opinion of their job characteristics—skill variety, task significance, and job feedback (V812). Unlike the SAC officers and enlisted personnel, they considered their jobs more autonomous than did their other Air Force counterparts (V813). Although they considered their jobs more repetitive (V814), they also desired more repetitive, easy tasks than did the other Air Force civilians (V816). The scores indicate SAC civilians felt more positive towards the quality of their training (V823).

The SAC civilian attitudes reflected correspondingly positive scores in the job enrichment area. They felt their jobs require a greater variety of skills, provide a more identifiable product, and have a stronger impact on the overall unit mission (VB00, VB01, VB02). They also felt their jobs provide direct feedback on how well they are performing (VB04). Like the SAC officers and enlisted oversonnel, they did not desire more enriching jobs as much as their counterparts (VB06). Unlike the officers and enlisted enlisted personnel, their Job Motivation Index scores

indicated they felt their work was more intrinsically motivating than did their counterparts (V807).

The work group process scores continue to reflect the more positive attitude of the SAC civilians. Although they were significantly less satisfied with the work support received (V805), they generally felt their supervisors gave better guidance, set higher performance standards, and used better work procedures (V818). They also rated communications significantly better for both supervisors and the total organization (V819, V820).

The work group output scores show the SAC civilians took more pride in their work, perceived a greater opportunity for advancement, and felt their work groups produce better quality and quantity under pressure than did their other Air Force counterparts (V811, V817, V821). They also indicated a greater satisfaction with their job environment, reflecting the cumulative effect of co-worker relations, family attitudes and work schedule (V822). The significantly different score for general organizational climate reflected a more positive attitude by SAC civilians towards the entire organization (V824).

Summar y

The overall review of mean scores and t-test analyses indicate SAC personnel's attitudes were significantly different in 54 of 63 individual comparisons. The scores

generally reflected more positive attitudes for SAC officers and civilian personnel and less positive attitudes for SAC enlisted personnel. The magnitude of the actual score differences was less than .25 points (on a scale of 1 to 7) for all but 7 factor score comparisons.

The next chapter compares these results with the theoretical expectations presented in Chapter Two. It also examines specific demographic and significant attitudinal differences between the SAC personnel and other Air Force personnel.

STATE THEOREM SECTION SECTION

Chapter Five

DISCUSSION

Comparing DAP survey results between SAC and other Air Force personnel highlights several important differences. These differences support some of the theoretical expectations postulated in Chapter Two—lower Job Related Satisfaction scores and less favorable career intentions. However, the data do not support the expected lower aggregate job attitudes of SAC personnel. This chapter details the limitations of this study and then examines the theoretical expectations in light of the actual results. It also examines significant data differences in demographic characteristics and the seven DAP attitudinal factor scores where differences exceeded a value of .25 scale points.

Limitations and Assumptions

This study and the data base are bounded by several limitations and necessary assumptions. These include the survey and testing methodolgy, the suitability of prior studies, and the characteristics of the target data base.

CONTRACTOR OF THE PROPERTY OF

Hypothesis testing assumes the sample used is a random representation of the whole population and that the variances within that population are equal. This study used a sample of convenience. The LMDC team conducts OAP surveys

the author assumes there is no "data base" slant towards either high morale or low morale units. Everyone present in the unit must take the survey. The author further assumes this does not influence the honesty of the responses.

The data base includes all surveys conducted from October 1981 through September 1985. While it is possible to sort this data chronologically to measure the impact of specific policies or programs, the scope of this study was restricted to a single comparison of SAC and the data base over the entire period. Therefore, the relative impacts of major Air Force and Department of Defense (DOD) programs during this period were assumed to be constant. This ignores the "SAC unique" benefits from increased DOD spending under the Reagan Administration for the new B-1B bombers and Peacekeeper missiles, as well as the benefits from the productivity oriented Model Installation Program.

WESTERE WASDOON PERSONS RECERCE WESTERS CLASSICAL CONTINUES STANDS SONDER

Although an individual's attitude is influenced by both parent organization policies (e.g., Air Force, MAJCOM) and local unit policies (Alderfer, 1983), the author assumes the organizational environment created by the immediate supervisor and unit commander carries an overriding impact. This accounts for productivity and morale differences between units within the same command. Therefore, any

they enhance or restrict the unit commander's autonomy in creating the organizational environment he or she desires.

The scale used to measure the respondent's attitude is the likert scale, ranging from a value of 1 to 7. The associated descriptors range from very negative to very positive. The author weighed the relative numerical score (comparison between SAC and data base), the general range of the score (negative, neutral, positive), and the statistical significance of the difference when interpreting the results.

Although mean scores differing by only .02 of a point may have proved statistically significant, the author used a minimum difference value of .25 before examining any individual factor. The LMDC staff has learned through experience that areas with measured differences of less than .25 seldom indicate genuine problems and will not likely be affected by policy or procedural changes.

Theoretical Expectations

theoretical expectations postulated in Chapter Two. The receits varied by personnel category, making an overall comparison between SAC and the rest of the Air Force inspropriate.

The expected lower job satisfaction attitudes were emported by the results for SAC officers and enlisted personnel, but not for the civilians. The comparative scores for DAP Factor 822, Job Related Satisfaction, are listed in Table 2. All three SAC scores were significantly different from the data base scores.

Table 2

DAP Factor 822, Job Related Satisfaction

err 1 1 1 2 2 1	Personnel Category	SAC	Other Air Force
	Officer	5.26	5.38
	Enlisted	4.84	4.98
	Civilian	5.53	5.41

The inputs which comprise Factor 822 include co-worker relationships, family attitude towards job, work schedule, job security, and acquired valuable skills (see Appendix C). Although further analysis is required to determine which of these inputs is significant, the author suspects family attitude towards the job may be the key input. Both the enlisted personnel and officers are affected by family separation through alert duty and temporary duty (TDY) commitments, but the civilian personnel are not.

Less favorable career intentions for SAC personnel were macquitally indicated by the demographic survey data. Table I shows the percentage of officers, enlisted personnel and civilians who indicated they will "definitely continue" or "most likely continue" their careers. Only the enlisted

personnel show a marked decrease in those desiring a career. A complete breakout of this information is listed in Table A-21, Appendix A.

Table 3
Career Intentions

Fersonnel Category	SAC	Other Air Force
Officer	70.4%	73.0%
Enlisted	48.0%	55.0%
Civilian	71.5%	75.3%

The apparent discontinuity between favorable career intentions and neutral job satisfaction scores for officers is not surprising. As noted in the literature review, personnel turnover and job satisfaction normally share a low-to-moderate inverse relationship. Although the lower career trend for enlisted personnel in the Air Force is mirrored in SAC, the percentage for SAC is notably lower. One possible explanation is SAC's higher percentage of times term airmen. They have 50% enlisted personnel with less that 4 years service compared with 41% for the rest of the Air Erice (Table A-4, Appendix A). Because the Air Force remainment rate for first term airmen is lower than the time for career airmen-80% first term versus 90% career

percentages of first term airmen to exhibit a lower total enlisted career retention rate.

SAC officers and civilians do not display aggregrate poorer job attitudes as implied by Dirnberger's (1980) study. However, SAC enlisted personnel do show a marked trend of lower attitude scores across the board. Comparing the SAC population's demographic characteristics with those of the anonymous commands in the Dirnberger study, one would reasonably expect SAC to display poorer attitudes and lower job motivation scores. SAC has a lower percentage of civilians, a younger military force with less time on station, more people with irregular duty hours, and more enlisted personnel—all demographic characteristics of the commands which displayed the poorer attitudes. Despite this, a subjective analysis of the DAP survey results fails to support the supposed correlation between demographic characteristics and personnel job attitudes.

The positive or negative values assigned to specific job attitudes reflect which attitudes the organization wants to foster. For example, the OAP survey stresses job motivation potential and organizational health. The first two functional areas, work itself and job enrichment, emphasize those characteristics which Herzberg theorizes will induce individuals to perform at their highest levels. These include achievement, recognition, responsibility, and challenging problems (Hersey et al., 1982). The second two

functional areas, work group process and work group output, emphasize the organizational environment's impact on group interaction and productivity. Understanding SAC's mission and its inherent dependence on teamwork becomes important in assessing the positive or negative value of the attitude scores.

As noted in Chapter Four, the collective attitudes of SAC officers and civilians appear very positive. Not only do they significantly differ from the data base scores in 36 of 42 comparisons, these differences also reflect a higher upinion of job importance, a greater confidence in the work group, and a stronger endorsement of their supervision and organizational climate. Of particular note is the high comparative scores in Perceived Productivity (V821). This factor measures the respondent's opinion of the quality, quantity and efficiency of his work group under pressure. because SAC works in teams--be it aircrews, missile crews, ommand and control teams— this esprit de corps is a rritical indicator of the collective attitudes of SAC personnel. The few areas that reflect less positive score: enter on the motivation potential of individual jobs, especially autonomy and repetition. This should be the e nected response. The responsibility of working with onclear weapons leaves no margin for error. SAC's checklist philosophy, Which has evolved to effectively deal with this *Appnsibility, inherently restricts autonomous decision

The Court of the C

making and encourages repetitive, compartmentalized procedures. Therefore, the net assessment of SAC officer and civilian job attitudes in comparison to the data base must remain very favorable.

The attitudes of the SAC enlisted personnel reflect a different story. Unlike the officers and civilians, their collective attitude is more negative than their Air Force counterparts. The SAC enlisted personnel show noticeably lower scores for perceived mission importance, confidence in their work group, and faith in their supervision.

There are several possible explanations for this result. SAC has a larger percentage of airmen with less than eight years of service. According to the Pettit (1975) study, one would expect the SAC enlisted force to be more susceptible to key job irritants such as policies and procedures and family separation. As discussed earlier, family separation and close supervision are an inherent nature of SAC duty. Another contributing factor may lie in the duty functions themselves. The majority of enlisted personnel duties are in support functions, such as bomber and missile maintenance or security, instead of primary combat missions. This compounds the problem of conveying job importance and reinforcing self-esteem.

Demographic Differences

There are three notable demographic data differences which bear mentioning: the disproportionate percentage of females among SAC enlisted personnel, the low percentage of the Hispanic minority in the SAC civilian sector, and the lower education level of SAC enlisted and civilian personnel.

Table A-2, Appendix A, highlights the disproportionate dercentage of SAC females among the enlisted personnel (52% SAC versus 40% AF). This difference is a result of SAC's lower percentage of civilian personnel (15% SAC versus 25% AE). Although the overall percentage of total females in SAC is comparable to the Air Force (16% SAC versus 19% AF), the majority of the women in the Air Force are civilian employees. The appreciably fewer civilian positions available in SAC are balanced by a greater number of onlisted female positions.

The apparent disproportionate percentage of Hispanics

among SAC civilians (Table A-8, Appendix A) is a function of

a location more than command of assignment. The majorit.

I dispanies in the Air Force are civilians. SAC has a

comparatively small civilian population, and very few to or

in the Southwest where a majority of personnel of Hispanic

boritage reside (U.S. Bureau or the Census, 1984).

The Air Fonce population shows a five percent advantage at post high school education for enlisted personnel and a

education level for SAC personnel is a function of mission and age. SAC enlisted personnel are younger than their Air Force counterparts. Accordingly, they have had less time to pursue any post high school education. The type of duty reserved for the majority of SAC civilian employees does not require any post high school education.

Significant DAP Factor Differences

There were only seven NAP factor scores which met the statistical criterion for significant difference and also exceeded an absolute difference of .25 points. Four of these are in the work itself functional area and the other three are in the job enrichment functional area. Table 4 summarizes the factors and the magnitude of the differences.

In the work itself area, the officer scores were noticeably lower than their counterparts' scores in rating Task Autonomy (VB13) and higher in Work Repetition (VB14). These scores are not surprising given the restrictive nature of SAC duty, redundancy of checklist procedures and the education level of the respondents. Although these scores do not necessarily reflect negative attitudes, they do nighlight an area for potential improvement which SAC fleadquarters, unit commanders and supervisors should examine.

Table 4

Key DAF Factor Scores

Function	Category/OAF Factor	SAC	AF Diff
Work	OfficerTask		
Itself	Autonomy (VB13)	4.23	4.6340
	OfficerWork		
	Repetition (V814)	4.53	4.26 +.27
	CivilianWork	1.00	1620
		4 07	4.62 +.25
	Repetition (V814)	4.87	4.62 4.20
	CivilianDesired		
	Easy Tasks (V816)	3.36	3.05 +.31
Jap	Officer-Job		
Enrichment	Motivation Index (VE	307) 117.47	128.29 -10.80
	EnlistedJob		
	Motivation Index (VE	107) 92.81	102.19 -9.30
	Civilian-Job	72.141	19611
		and the second second	470 40 44 44
	Motivation Index (VE	307) 135.02	130.68 +4.34

The complementary high score for Work Repetition (V814) by SAC civilians underscores the contention that the recetitive checklist approach and stringent control procedures associated with the nuclear weapon mission whimeate SAC's approach to all problems.

The higher SAC divilian score for Desired Repetitive and their Tasks (VB16) is compatible with their higher rating of war! Repetition (VB14). This relationship is also true for different and enlisted personnel (see Tables R-1 and E.1. Appendix B). On the surface, this compatibility should be different and lead to higher job satisfaction. However, the Job Related Satisfaction (VB22) scores for SAC officers

and enlisted personnel are lower than those of their counterparts. Therefore, SAC population's uniform desire for more easy and repetitive tasks may indicate a totally different perception—a heavier workload. Redundant, routine and time—consuming duties driven by higher echelon controls may produce this perception.

The Job Motivation Index (V807) factor reflects the respondent's perception of his or her job's intrinsic motivating characteristics. It is a weighted multiplication of the responses to DAP factors measuring Skill Variety. lask Indentity, Task Significance, Job Feedback, Work Support and Task Notenomy. Although individual companisons of these subordinate factor scores seldom reflect attitude differences exceeding .25 points, their combined effect results in a wide range of values. Therefore, this factor serves as a barometer of the cumulative motivating aspect of the many individual factors and does not highlight specific areas for additional study. The beaviest weighted factors used in this calculation are Task Autonomy (V813) and Job feedback (V804). It is highly probable that the resulting Job Motivation Index scores are a strong reflection of the lower Task Autonomy scores already discussed.

Summary

The OAP survey results indicate the majority of SAC personnel attitudes differ from their Air Force

の名のでは、これのではなが、というとは、これのながなが、これにはないと、これのではない。 ではないとは、これのではない。

the personnel category examined. The aggregrate SAC officer and civilian attitudes are more positive than those of their counterparts. However, SAC enlisted personnel attitudes are less positive than those of the data base. Both SAC and other Air Force personnel reflect the same trend in job attitudes—civilians are most positive, followed by the officers and then the enlisted personnel.

While SAC personnel attitudes differ from Air Force personnel attitudes in S4 of 63 DAP factor areas, the largest differences lie in SAC's perception of less Task Autonomy, greater Work Repetition, and a lower Job Motivation Index. These scores are consistent with the controlled, checklist nature of SAC duty.

The Job Related Satisfaction scores are lower for SAC officers and enlisted personnel, most probably reflecting the impact of family separation and work schedules. Despite these scores, SAC officer career intentions are only slightly less than those of their Air Force counterparts. However, the SAC enlisted personnel career intentions are noticeably less than those of the other Air Force enlisted personnel. One reason for this may by the higher percentage of first term airmen in SAC.

Chapter Six details the conclusions of this study, recommends specific actions for Headquarters SAC, and suggests areas for further study.

Chapter Six

CONCLUSIONS

The LMDC GAF survey data base, collected from October 1981 through September 1985, has provided an excellent opportunity to compare SAC personnel demographic characteristics and work attitudes with those of other Air Force personnel. This comparison demonstrated SAC personnel attitudes are significantly different from those of their counterparts. The demographic data showed SAC personnel to be younger, less experienced, and slightly less educated. Their attitude scores were significantly different from those of other Air Force personnel in 54 of 63 comparisons. These comparisons led to several conclusions.

First, SAC officers and civilians collectively displayed more positive attitudes towards their jobs and organizations than did their other Air Force counterparts. Although only civilians scored a higher Job Related Satisfaction score, both the SAC officers and civilians responded with higher estimates of work group productivity, job importance, and management/supervisory communications. This underscored mort/group cohesiveness and teamwork concept which is integral to SAC operational effectiveness.

SAC enlisted personnel were less positive in appraising their jobs and organizations. Their scores were significantly lower than those of their other Air Force counterparts in 18 of 21 factor score comparisons. They did not share the other SAC personnel's confidence in group productivity, job importance and communications effectiveness.

THE PARTY OF THE P

AND DESCRIPTION OF THE PROPERTY OF THE PROPERT

There were only seven factor scores where SAC personnel differed from their counterparts by .25 scale points or more (on a scale of 1 to 7). These centered on the degree of Task Autonomy, Work Repetition, Desire for Easy and Repetitive Work, and the overall Job Motivation Index. SAC personnel felt their jobs allow less independent judgement, are more repetitive, and are inherently less motivating. Despite this, they all expressed relatively more desire for easy and repetitive tasks than did their counterparts. Therefore, the job characteristics appear to be compatible with the job desires.

Some of the theoretical expectations postulated about SAC attitudes were supported. The lower Job Related Satisfaction scores by SAC officer and enlisted personnel supported the Herzberg (1966) Two Factor Theory and behinder's (1984) argument that self-esteem, family situation and supervisory behavior are critical factors in precluding tob dissatisfaction. The family separation aspect of SAC duty may be the principal cause of this lower

job satisfaction. The expected strong commitment to organizational goals reflected itself in higher job importance and work group output scores for officers and exvilians, but not for the enlisted personnel.

Dirinberger's (1980) study predicted SAC personnel would display more negative job attitudes solely on the basis of demographic characteristics of more crew members, more collisted personnel, fewer civilians, and less experienced personnel on station. Despite this, only the SAC enlisted personnel showed overall poorer job attitudes than their counterparts. The expected less favorable career intentions, based upon the Pettit (1975) study, were only marginally indicated by the demographic survey data. This six engineer latentions have a low-to-moderate inverse relationship.

KENSTERN DAVING VINDERS OF PRINCES

Recommendations

These recommendations are designed to build upon the results from this etuax. The overall intent is to southlize on the data provided through this analysis.

1. SAC Heatquistons should privide the results of this u.v., to the field via wing commander conferences, squadrop emander work thops and the SAC NCO Leadership School. I apprehent to close the feedback loop on a command scale

to insure our commanders and first line supervisors are aware of the general SAC trends. This would achieve a twofold purpose. First, the commanders and first line supervisors need to be aware of potential job motivation problem areas within their units. Second, these leaders could provide an excellent forum for discussing methods of improving those areas in which SAC personnel showed poorer attitudes.

2. SAC Headquarters should study the enlisted personner arena. This area shows the greatest room for improvement.

SAC enlisted personnel attitudes towards the organizational effectiveness and job importance are the most disconcerting and, perhaps, the easiest to rectify. Building commitment is organizational goals can reinforce individual achievement motivations. Emphasizing teamwork can strengthen individual perceptions of job importance as well. Are the young enlisted personnel aware of their contribution to the unit mission? Are they afforded orientation rides on bombers as cankers? Are they afforded the opportunity to witness

SELECTED FORESTON WINDS SELECTED FORESTON SELECTED SELECTED FORESTON CONTROL FORESTON

3. SAC Headquarters should conduct additional study to identify the specific variable which most impacts Job Related Satisfaction (V822) scores for officers and enlisted personnel. Although the family separation aspect of officer and enlisted duty is the most noticeable difference from civilian duty, there is no conclusive evidence this is the

principal cause for their lower scores. The LMDC data base portains attitude score, on all the variables which comprise the aggregaate Job Related Satisfaction score. If the femily attitude input proves significant, additional procession is available through the LMDC Family Survey database.

4. SAC Headquarters should obtain the entire LMDC OAP data base for future analysis. The LMDC analysis of generation will be disbanded at the end of Fiscal Year 1986. However, they will transfer their data base to the Air force Human Research Laboratory to June, 1986.

BIBLIOGRAPHY

- Baron, R. A. (1983). Behavior in organizations. Boston: Allyn & Bacon.
- Breeden, J. (1984). United States Air Force summary (11th ed.). Washington, D.C.: Headquarters United States Our Force (FOR OFFICIAL USE ONLY).
- Dallenbach, P. (1985). HQ AFMPC historical file data on evolution of the Air Force pilot assignment system.
 Unpublished raw data.
- Pavis. H. T., & Dotson, A. (1981). Supervisory factors related to three criteria of organizational effectiveness. Wright-Patterson AFB, OH: Air Force Institute of Technology School of Logistics.
- Dirnberger, K. R. (1980). Organizational assessment: implications for Air Force major commands (Rep. No. 0570-80). Maxwell AFB, AL: Air Command & Staff College.
- Donnelly, M. J. (1982). Increasing the number of rated officer volunteers for aircrew duty at SAC northern tier pases (Rep. No. 82-0720). Maxwell AFB, AL: Air Command & Staff College.
- Dobern, A. J. (1978). Human relations. Reston, VA: Reston Publishing.

- Dehavior: concepts and applications (3rd ed.). Columbus, OH: Merrill.
- Hendrin, W. H. (1976). Contingency approaches to leadership: A review and synthesis (AFHRL-TR-76-17). Brooks AFB, TX: Air Force Human Resources Laboratory.
- Hersey, P., & Blanchard, E. R. (1982). Management of organizational behavior (4th ed.). Englewood Cliffs, NJ: Prentice-Hall.
- Hereberg, F. (1966). Work and the nature of man. Cleveland: World Publishing Co.

CONTINUED

- Hightower, J. M., & Short, L. O. (August, 1982). Stability of the Organizational Assessment Package factorial validity across groups. Paper presented at the 90th Annual Convention of the American Psychological Association, Washington, DC.
- Hightower, J. M., & Short, L. O. (1982a). Factor stability of the organizational assessment package (LMDC-TR-82-1). Maxwell AFB, AL: Leadership and Nanagement Development Center.
- Hightower, J. M., & Short, L. O. (1982b). Temporal stability of the factor structure of the organizational assessment package (LMDC-TR-82-2). Maxwell AFB, AL: Leadership and Management Development Center.
- Keany, T. A. (1984). Strategic bombers and conventional weapons (National Security Affairs Monograph Series 84-4). Washington, DC: National Defense University.
- Lamb, R. L. (1985). LMDC OAP survey information file data. Unpublished raw data.
- Maslow, A. H. (1954). Motivation and personality. New York: Harper & Row.
- McGregor, D. (1960). The human side of enterprise. New York: McGraw-Hill.
- Henbeck, J. C. (1980). Statistical properties of the Air Force Organizational Assessment Package (DAP) (Rep. No. 1845-80). Maxwell AFB, AL: Air Command & Staff College.
- Peterson, R. L. (1971). Results of a survey of SAC missile combat crews. (Limited publication available from Air University Library, catalog number M-U 41115-103, Maxwell AFB, AL.)

CONTINUED_

- Pettit, G. C. (1975). Leadership & management in the all-volunteer force (Rep. No. 5723). Maxwell AFB, AL: Air War College.
- Schneider, B. (1984). Organizational behavior (Rep. No. 84-3). College Park, MD: University of Maryland.
- Short, L. D. (1985). The United States Air Force Organizational Assessment Package (DAP) (LMDC-TR-85-2). Maxwell AFB, AL: Leadership and Management Development Center.
- SPSS user's quide. (1983). New York: McGraw-Hill.
- Szulc, T. (1978). The illusion of peace: Foreign policy in the Nixon years. New York: Viking.
- U.S. Bureau of Census. (1984). Statistical abstract of the United States: 1985. Washington, DC: U.S. Government Printing Office.
- Vroom, V. H. (1964). Work and motivation. New York: McGraw-Hill.

enison, C. (1972). The Strategic Air Command's deterrent force's morale (Rep No. 4756). Maxwell AFB, AL: Air War Gollege.

Table A-1 Appendix A Number of Respondents by Fersonnel Category

	SAC <u>n</u> = 18,477 (100%)	Air Force 89,707 (100%)	
Officer	2,406 (13.0%)	10,304 (11.5%)	
Enlisted	13,279 (71.5%)	57,268 (63.8%)	
Civilian	2,792 (15.1%)	22,135 (24.7%)	

Table A-2
Sex by Personnel Category

	S	AC	Air Force		
	Male(%) n = 15,510	Female(%) 2,903	Male(%) 72,495	Female(%) 16,889	
Officer	15.6	10.0	12.4	7.6	
Enlisted	75.6	52.4	69.5	39.9	
Civilian	10.8	37.6	18.1	52.5	

Table A-3
Age by Personnel Category

		SAC		Air Force		
	$\frac{0ff(\%)}{n} = 2,406$	En1(%) 13,279	Civ(%) 2,791	Off(%) 10,304	En1 (%) 57,261	Civ(%) 22,130
17 to 20 Yrs	0.0	17.8	0.8	0.0	12.9	1.7
21 to 25 Yrs	11.5	40.6	5.1	12.4	37.4	6.4
26 to 30 Yrs	50.2	18.2	10.1	27.6	19.8	10.6
31 to 35 Yrs	25.7	12.1	16.9	22.9	15.1	14.0
Já to 40 Yrs	18.2	7.7	12.7	19.9	10.3	14.2
41 to 45 Yrs	8.7	2.4	11.6	11.5	3.0	12.7
46 to 50 Yrs	3.2	0.5	12.5	3.6	0.8	14.2
> 50 Yrs	2.2	0.5	30.5	2.1	0.7	26.6

Percences movement appropriate position of the contract of the

Table A-4

Time in Air Force

	SAC			Air Force		
	$\underline{n} = 2,402$	En1(%) 13,240	Civ(%) 2,347	Off(%) 10,287	En1(%) 57,120	Civ(%) 19,765
(1 Yr	3.7	9.5	5.2	3.2	6.5	5.!
1-2 Yr	6.7	14.8	4.9	5.0	11.4	5.0
2-3 Yr	8.4	13.3	5.5	7.5	12.3	5.2
5-4 Yr	7.0	12.3	5.3	7.2	11.1	4.9
i-8 Yr	22.7	19.6	12.4	21.5	20.7	11.8
8-12 Yr	17.9	10.6	14.7	15.8	13.4	12.2
12 Yr	33.6	19.9	52.0	39.8	24.6	55.8

Table A-5
Months in Present Career Field

	SAC			Air Force		
	0ff(Civ(%)	0ff(%)	En1(%)	Civ(%)
	<u>n</u> = 2,37	6 13,181	2,694	10,245	56,956	21,580
6 Mos	5.4	6.3	7.2	5.2	4.6	5.4
to 12 Mos	8.8	9.7	7.0	7.3	7.6	7.3
2 to 18 Mos	8.6	9.8	5.6	7.7	7.9	6.0
19 to 36 Mos	22.1	21.6	12.9	21.5	20.7	13.6
36 Mos	55.1	52.6	67.3	58.3	59.2	67.7

Table A-6
Months on Station

	SAC			Air Force		
	Off(%)	Enl(%)	Civ(%)	Off(%)	Enl(%)	Civ(%)
	n = 2,396	13,174	2,712	10,275	57,020	21,642
√ 6 Mas	15.2	17.2	5.2	13.5	15.0	6.4
6 to 12 Mcs		19.4	6.7	16.4	18.3	8.0
12 to 18 Mos		17.4	5.6	16.4	15.8	6.3
18 to 36 Mos	36.1	29.1	13.9	35.9	32.9	15.2
> 36 Mos	15.2	16.9	68.6	17.8	18.0	64.1

Table A-7
Months in Present Position

	SAC			Air Force			
		Off(%)	En1(%)	Civ(%)	Off(%)	En1(%)	Civ(%)
	<u>u</u> =	2,395	13,178	2,724	10,264	56,924	21,785
. 6 Mas		26.5	31.1	14.5	26.5	26.9	13.9
to 12 Mos		24.9	24.9	12.5	24.5	23.9	15.1
12 to 18 Mos		16.4	16.2	6.9	17.2	16.4	10.5
18 to 36 Mos		24.2	20.2	16.8	24.9	23.3	19.9
36 Mos		8.0	7.6	47.5	6.9	9.5	40.6

STATE TO STATE OF THE STATE OF

Table A-8
Ethnic Group

	SAC			Air Force		
	Off (%)	En1(%)	Civ(%)	Off(%)	En1(%)	Civ(%)
<u> </u>	2,398	13,159	2,733	10,248	56,888	21,807
Amer Indian/Alaskan	0.8	1.3	2.4	0.7	1.4	1.2
Asian/Pacific Is	1.5	2.3	8.8	1.4	1.9	2.0
Black	5.8	14.1	6.3	5.8	16.8	10.0
Hispanic	2.0	4.1	3.6	2.5	5.5	17.6
White	87.9	74.7	74.9	87.5	70.8	66.5
Other	2.0	3.5	4.0	2.1	3.6	2.7

Table A-9

Marital Status

	SAC			Air Force			
	<u>n</u> = 2)ff(%) 2,403	En1(%) 13,268	Civ(%) 2,776	0ff(%) 10,296	Enl(%) 57,151	Civ(%) 22,074
Not Married		9.3	36.7	14.8	21.6	35.3	19.1
Married Single Parent	7	79.3 1.4	60.9 2.4	80.3 4.9	76.8 1.6	62.5 2.2	74.8 6.1

Table A-10

Spouse Employment Status: SAC

	Geograpi	hically S	eparated	Geographically Together		
	Off(%)	En1(%)	Civ(%)	Off(%)	En1(%)	Civ(%)
ū	_ = 84	604	159	1,821	7,483	2,071
Civilian Employed	63.1	59.4	60.4	30.3	34.3	54.2
Not Employed	19.1	27.3	22.0	61.6	50.5	29.8
Military Member	17.8	13.3	17.6	8.1	15.2	14.0

Table A-11
Spouse Employment Status: Air Force

	Geograph	ically S	Separated	Geographically Together		
	Off(%)	En1(%)	Civ(%)	Off (%)	En1(%)	Civ(%)
Ū	= 342	2,899	914	7,564	32,824	15,588
d	57.5	58.4	70.7	35.2	38.7	54.3
	20.2	26.2	16.8	56.0	47.3	34.8
	21.9	15.4	12.5	8.8	14.0	10.9
	<u>n</u> 			n = 342 2,899 914 ed 57.9 58.4 70.7 20.2 26.2 16.8	$\frac{0 \text{ ff}(\%)}{n} = \frac{0 \text{ ff}(\%)}{342} = \frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{7,564}$ $\frac{0 \text{ ff}(\%)}{2,899} = \frac{0 \text{ ff}(\%)}{914} = \frac{0 \text{ ff}(\%)}{10 \text{ ff}(\%)}$	$\frac{0ff(\%)}{n} = 342 \qquad 2,899 \qquad 914 \qquad 7,564 \qquad 32,824$ $\frac{1}{2} = 342 \qquad 2,899 \qquad 914 \qquad 7,564 \qquad 32,824$ $\frac{1}{2} = 342 \qquad 38.7 \qquad 35.2 \qquad 38.7 \qquad 36.2 \qquad 36.2 \qquad 36.2 \qquad 36.3 \qquad 36.3$

Table A-12 Education Level

		SAC		Ai	r Force	
	Off(%)	En1(%)	Civ(%)	Off(%)	En1(%)	Civ(%)
<u>u</u> =	2,397	13,216	2,735	10,279	57,070	21,855
Non HS Grad	0.0	0.9	8.2	0.0	0.7	5.0
HS Grad or GED	0.1	49.3	34.2	0.2	44.2	28.2
4 2 Yrs College	0.5	33.0	23.9	0.3	34.9	23.8
> 2 Yrs College	1.9	13.4	19.5	1.2	16.4	18.2
Bachelor's Degree	52.9	2.9	10.7	53.0	3.2	16.0
Master's Degree	35.5	0.4	3.1	37.5	0.5	7.7
Doctoral Degree	9.1	0.1	0.4	7.8	0.1	1.1

Table A-13 Highest Level Professional Military Education

	SAC			Air Force		
<u> </u>	Off(%) 2,405	En1(%) 13,263	Civ(%) 2,755	Off(%) 10,288	Enl(%) 57,118	Civ(%) 22,035
None	35.5	35.4	78.3	34.2	30.7	78.6
Phase 1 or 2		30.9	8.8		29.7	7.5
Phase 3 or 4		26.2	5.8		31.5	6.2
Senior NCO Academy		4.0	2.4		5.1	2.0
SOS	27.0		0.8	26.6		1.1
Int Service School	22.7		3.2	23.5		3.4
Sen Service school	11.5		0.7	12.4		1.4

Table A-14

Number People Directly Supervised

	SAC			Air Force		
	Off(%)	En1(%)	Civ(%)	Off(%)	En1(%)	Civ(%)
<u> </u>	2,283	11,871	2,314	9,719	52,138	18,198
					-	
None	44.7	62.2	67.3	40.5	59.8	70.1
1 Ferson	6.9	7.6	4.4	7.3	7.6	2.7
2 Feople	6.0	6.8	3.7	6.5	7.3	2.4
3 Feogle	9.4	6.0	3.8	7.7	5.5	2.6
4 to 5 People	13.2	2.9	7.2	13.8	7.8	5.2
6 to 8 Feople	8.3	4.0	4.5	10.5	4.9	4.6
9 or More People	11.5	5.1	9.1	13.7	7.1	12.4

Table A-15

Number of People for Whom Respondent Writes OER/APR/Appraisal

	SAC			Air Force		
<u>u</u> :	Off(%) = 2,402	Enl(%) 13,256	Civ(%) 2,779	Off(%) 10,271	Enl(%) 57,057	Civ(%) 22,071
None	54.2	69.4	79.1	50.9	65.9	78.8
1 Ferson	9.0	8.2	3.4	9.3	8.7	1.9
2 People	7.0	6.6	3.0	7.0	8.1	1.8
3 People	8.5	5.5	3.2	6.8	5.7	1.9
4 to 5 Feople	10.7	7.3	5.2	11.4	6.9	3.7
6 to 8 People	7.3	2.2	2.5	8.7	2.5	3.2
9 or More Feople	3.3	0.8	3.6	5.9	2.2	8.7

ACCORD DESCRIPTION SECTIONS INTERCOME DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION

Table A-16
Supervisor Writes Respondent's OER/APR/Appraisal

		SAC			Air Force		
	Off (%)	En1(%)	Civ(%)	Off(%)	En1(%)	Civ(%)	
	$\underline{n} = 2,371$	13,062	2,682	10,150	56,451	21,379	
/es	79.0	74.2	83.9	77.1	69.4	77.0	
No	12.0	14.4	8.1	14.9	19.7	9.8	
Nat Sure	9.0	11.4	8.0	8.0	10.9	13.2	

Table A-17
Work Schedule

		SAC		Ai	r Force	
<u> </u>	Off(%) 2,378	Enl(%) 13,143		Off(%) 10,203		Civ(%) 21,650
Day Shift	51.9	63.2	87.8	61.1	59.3	88.0
Swing Shift	0.3	4.8	2.1	0.2	8.0	3.3
Mid Shift	0.0	2.7	0.6	0.0	3.1	0.8
Rotating Shifts	4.7	15.4	4.9	4.7	13.1	4.4
Irregular Schedule	11.9	10.8	3.0	12.6	12.5	2.2
Freq TDY/On-call	4.7	1.3	0.3	8.8	2.8	1.1
Crew Schedule	26.5	1.8	1.3	12.6	1.2	0.2

Table A-18
Supervisor Holds Group Meetings

	SAC			Air Force		
	$ 0 ff(\%) \\ \underline{n} = 2,369 $	Enl(%) 13,063	Civ(%) 2,736	Off(%) 10,166	Enl(%) 56,339	Civ(%) 21,790
Never	7.7	18.4	13.2	6.3	16.0	9.6
Occasionally	24.9	32.7	29.9	22.5	34.0	35.2
Monthly	15.5	7.7	7.2	13.3	9.0	20.0
Weekly	36.8	28.1	40.8	43.6	27.2	29.3
Daily	10.7	10.7	7.0	12.5	11.6	4.1
Continuously	3.4	2.4	1.9	1.8	2.2	1.8

Table A-19 . Supervisor Holds Group Meetings to Solve Problems

			SAC		Ai	r Force	
	$\underline{n} = 2,$	f (%) 359	Enl(%) 12,999	Civ(%) 2,712	Off(%) 10,128	Enl (%) 55,961	Civ(%) 21,474
Never Occasionally Half the Time Always	42 20	5.2 2.4).5	26.5 39.6 15.7 18.2	22.6 42.1 15.2 20.1	15.4 42.5 22.3 19.8	24.7 39.8 16.9 18.6	24.4 45.1 15.4 15.1

THE PARTY OF THE P

ASSAL INCORNACE SYSTEMS TO STATE FOR THE STATE OF THE STA

Table A-20
Aeronautical Rating and Current Status

	SAC		Air F	orce	
	Off(%)	En1(%)	0ff(%)	En1(%)	
ũ	= 2,402	13,207	10,137	56,048	
Nonrated, Not on Aircrew	55.5	91.0	62.7	90.5	
Nonrated, on Aircrew	0.6	2.1	2.8	2.0	
Rated, in Crew/Querations Job	32.9	1.2	25.5	1.7	
Rated, in Support Job	11.0	5.7	9.0	5.8	

Table A-21

Career Intent

		SAC		Ai	r Force	
	Off(%)		Civ(%)	Off(%)	En1(%)	Civ(%)
Ū.=	2,395	13,192	2,267	10,243	56,955	19,152
Retire in 12 Mos	2.6	3.1	8.9	3.6	3.1	5.9
Career	47.6	30.5	46.9	51.8	35.9	52.0
Most Likely Career	23.8	17.5	24.6	22.2	19.1	23.3
Maybe Career	16.0	21.5	13.5	14.9	20.4	12.5
Prob No Career	6.4	16.3	3.2	4.7	13.0	3.5
Separate	3.6	11.1	2.9	2.8	8.5	2.8

Table B-i
Comparison of OAP Factor Scores
Between SAC and Other Officers

THE WORK ITSELF OAF Factor (Factor Number) Mean SD df · t Job Performance Goals (V810) 3519 4.63*** 4.80 .94 4.70 .99 SAC Officers Other Officers Task Characteristics (V812) 12290 .98 5.36 .93 5.34 .96 SAC Officers .96 Other Officers 3309 Task Autonomy (VB13) -12.58*** 4.23 1.43 SAC Officers Other Officers 4.63 12503 Work Repetition (VS:4) 8.75*** 4.53 1.34 SAC Officers Other Officers 4.26 Desired Repetitive/Easy Tasks (V816) 12135 3.43** SAC Officers 2.54 1.05 Other Officers 2.46 1.05 Joh Related Training (VB23) 2986 3.33** 4.73 1.42 SAC Officers 1.49 Other Officers 4.66

STATES OF STATES OF STATES OF STATES AND STATES OF STATE

Approximate degrees of freedom are given when \underline{t} -test for groups with unequal variance is used.

^{*}p+.05. **g<.01. ***p<.001

Appendix B

Table 8-1 (continued)

	IGB ENRICHM			
CAP Factor (Factor Number)	Mean	<u>SD</u>	<u>df</u> *	<u>t</u>
Skill Variety (V800)			12586	-2.82**
SAC Officers	5.37	1.26		
Other Officers	5.45	1.29		
Task Identity (VBO1)			12551	3.03**
SAC Officers	5.29	1.20		
Other Officers		1.22		
Task Significance (V802)			12605	2.21*
SAC Officers	5.84	1.23		
Other Officers	5.78			
Job Feedback (VBG4)			12570	-0.36
SAC Officers	4.88		12370	-0.38
	4.89	•		
Other Officers	4.67	1.16		
Need for Enrichment (V806)			2282	-2.36*
SAC Officers	6.05	0.91		
Other Officers	6.10	0.85		
Job Motivation Index (V807)			11490	-6.71***
SAC Officers	117.47	65.78		

128.29 67.42

Other Officers

Approximate degrees of freedom are given when \underline{t} -test for groups with unequal variance is used.

ag. 05. **g(.01. ***p(.001

	Table B-1 (con			Appendix B
	WCRK GROUP P	ROCESS		
OAP Factor (Factor Number)	Mean	<u>50</u>	<u>af</u> -	<u>t</u> _
Work Support (V805)				-4.86***
SAC Officers	4.45	1.08		
Other Officers	4.58	1.09		
Management and Supervision	(V818)		11862	3.18**
SAC Officers	5.39	1.32		
Other Officers	5.29	1.35		
Supervisory Communications	Climate (V819	7)	1:606	3.02**
SAC Officers	4.94	1.40		
SAC Officers Other Officers	4.84	1.42		
Organizational Communication			11719	1.33
SAC Officers				
Other Officers	4,88			
	WORK GROUP (
Fride (V811)				0.90
SAC Officers	5.50	1 75	3077	0.70
Other Officers	5.47			
other officers	3.47	1170		
Advancement/Recognition (V	817)		12306	-1.64
SAC Officers		1.18		
Other Officers	4.58	1.19		
Perceived Productivity (VB	21)		3585	6.24***
SAC Officers	5.89	1.02		
Other Officers	5.74	1.09		
Job Relateo Satisfaction (3134	-4.51***
SAC Officers	5.26	1.13		
Other Officers	5.39	1.08		
General Organizational Cli		- 1-	3329	0.78
SAC Officers	5.22	1.21		
Other Officers	5.20	1.26		

property assessment grandone teaching theory and analysis and an analysis and an additional

THE STATE OF THE S

Table B-2 Comparison of OAP Factor Scores Between SAC and Other Enlisted

THE WORK ITSELF OAP Factor (Factor Number) SD Mean _______ 67874 -2.64** Job Performance Goals (V810) 4.72 .97 4.74 .98 SAC Enlisted Other Enlisted 17884 -13.43*** Task Characteristics (V812) 4.92 1.06 SAC Enlisted Other Enlisted 5.06 . 99 Task Autonomy (V813) 18533 -15.52*** SAC Enlisted 3.66 1.45 Other Enlisted 3.88 1.41 Work Repetition (V814) 69361 9.65*** 5.24 1.37 SAC Enlisted Other Enlisted 5.11 1.37 Desired Repetitive/Easy Tasks (V816) 18909 5.72*** 3.29 1.44 SAC Enlisted Other Enlisted 3.20 1.41 66372 -0.95 Job Related Training (VB23) 4.46 1.58 SAC Enlisted 4,48 Other Enlisted 1.58

Approximate degrees of freedom are given when \underline{t} -test for groups with unequal variance is used.

^{*}p<.05. **p<.01. ***p<.001

Table 8-2 (continued)

JOB ENRICHMENT

PAP Factor (Factor Number)	Mean	<u>SD</u>	<u>df</u> •	<u>t</u>
Skill Variety (V800)			18747	-13.63***
SAC Enlisted	4.44	1.52		
Other Enlisted	4.63	1.44		
Task Identity (V801)			18671	-10.78***
SAC Enlisted	4.94	1.32		
Other Enlisted	5.08	1.23		
Task Significance (V802)			19022	-5.04***
SAC Enlisted	5.65	1.36		
Other Officers	5.71	1.30		
Job Feedback (804)			19104	-12.45***
SAC Enlisted	4.63	1.33		
Other Enlisted	4.79	1.28		
Weed for Enrichment (V806)			18366	-6.61**
SAC Enlisted	5.41	1.28		
Other Enlisted	5.49	1.23		
Tob Motivation Index (V807)			17664	-14.83**
SAC Enlisted	92.81	61.16		
Other Enlisted	102.19			

Approximate degrees of freedom are given when \underline{t} -test for groups with unequal variance is used.

CONTRACTOR CONTRACTOR CONTRACTOR

^{*}p<.05. **p<.01. ***p<.001

	WORK GROUP P			
DAP Factor (Factor Number) Mean	SD	df-	
Work Support (V805)				-6.83***
SAC Enlisted	4.47	1.11		
Other Enlisted	4.55	1.12		
Management and Supervisio	on (V616)		18036	-1.51
SAC Enlisted	4.88	1.60		
Other Enlisted	4.90			
Supervisory Communication	ns Climate (VR19)	66055	-1.77
SAC Enlisted	4.47		55,55	•• / /
Other Enlisted	4.52			
Organizational Communicat	ione Plints III	6201	17704	_ A _ A _ A _ A _ A _ A
SAC Enlisted	4.32		17724	-4.04#**
Other Enlisted	4.39			
	WORK GROUP O			
		UTPUT		
 Pride (V811)			18703	-11.24***
SAC Enlisted	4.75	1.71	18703	-11.24***
		1.71	18703	-11.24***
SAC Enlisted	4.75 4.94	1.71	18703	
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted	4.75 4.94 (V817) 4.24	1.71 1.63		
SAC Enlisted Other Enlisted Advancement/Recognition	4.75 4.94 (V817)	1.71		
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted	4.75 4.94 (V817) 4.24 4.27	1.71 1.63		-2.75**
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Ferceived Productivity (V	4.75 4.94 (V817) 4.24 4.27 V821)	1.71 1.63 1.20 1.20	66691	-2.75**
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Perceived Productivity (4.75 4.94 (V817) 4.24 4.27	1.71 1.63 1.20 1.20	66691	-2.75**
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Ferceived Productivity (V SAC Enlisted Other Enlisted	4.75 4.94 (V817) 4.24 4.27 V821) 5.44 5.47	1.71 1.63 1.20 1.20	66691 18361	-2.75** -2.76**
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Ferceived Productivity (V	4.75 4.94 (V817) 4.24 4.27 V821) 5.44 5.47	1.71 1.63 1.20 1.20	66691	-2.75** -2.76**
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Perceived Productivity (V SAC Enlisted Other Enlisted Job Related Satisfaction	4.75 4.94 (V817) 4.24 4.27 (V821) 5.44 5.47	1.71 1.63 1.20 1.20	66691 18361	-2.75** -2.76**
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Perceived Productivity (V SAC Enlisted Other Enlisted Job Related Satisfaction SAC Enlisted Other Enlisted	4.75 4.94 (V817) 4.24 4.27 (V821) 5.44 5.47 (V822) 4.64 4.98	1.71 1.63 1.20 1.20 1.27 1.24	66891 18361 16369	-2.75** -2.76** -10.73***
SAC Enlisted Other Enlisted Advancement/Recognition SAC Enlisted Other Enlisted Perceived Productivity (V SAC Enlisted Other Enlisted Joh Related Satisfaction SAC Enlisted	4.75 4.94 (V817) 4.24 4.27 (V821) 5.44 5.47 (V822) 4.64 4.98	1.71 1.63 1.20 1.20 1.27 1.24	66691 18361	-2.75** -2.76** -10.73***

Table B-3 Comparison of DAP Factor Scores

Appendix B

Table B-3 (continued)

J	OB ENRICHM	1ENT		
GAP Factor (Factor Number)		<u>so</u>		<u>t</u>
Skill Variety (VB00) SAC Civilians Other Civilians	5,12			1.98*
Task Identity (VBO1) SAC Civilians Other Civilians	5.40 5.32	1.11	3540	3.36**
Task Significance (V802) SAC Civilians Other Civilians	5.82 5.70	1.18 1.27	3550	5.07***
Job Fæedback (V804) SAC Civilians Other Civilians	5.12 5.04	1.21	35 33	3.15**
Need for Enrichment (V806) SAC Civilians Other Civilians		1.19	23646	-3.30**
Job Motivation Index (VB07) SAC Civilians Other Civilians	135.02 130.68		21899	2.87**

Approximate degrees of freedom are given when \underline{t} -test for groups with unequal variance is used.

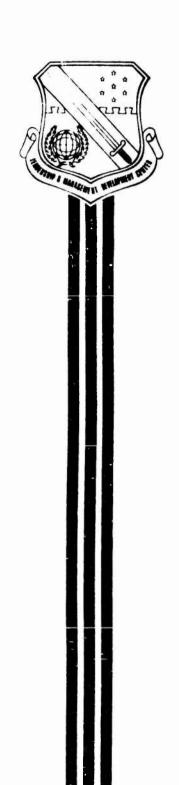
^{*}p<.05. **p<.01. ***p<.001

T - 5 1	-	0 - 7	(continued)
1 401		9-3	(COBCINGE)

Appendix B

	WORK GROUP P			
OAP Factor (Factor Number)	Mean	SD	<u>df</u> *	<u>t</u>
Work Support (V805)				-2.69**
SAC Civilians	4.61	1.10		
Other Civilians	4.67			
Management and Supervision	(V818)	1.1	3155	2.59*
SAC Civilians	5.06	1.68		
Other Civilians	4.97			
Supervisory Communications	Climate (V819))	22956	3.72***
SAC CIVILIANE	4 40	1 77		_
Other Civilians	4.56	1.70		
Organizational Communication	ns Climate (V	(820)	22577	5.83***
•	4.77			
Other Civilians	4.59			
	WORK GROUP C	UTPUT		
	WORK GROUP C	UTPUT		
Pride (V811)	WORK GROUP O	OUTPUT		
	WORK GROUP O	OUTPUT		
Pride (V811) SAC Civilians Other Civilians	WORK GROUP 0 5.54 5.40	1.36	 3574	4.93***
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8	5.54 5.40	1.36 1.46		4.93***
Pride (V811) SAC Civilians Other Civilians	5.54 5.40 17)	1.36	 3574	4.93***
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians	5.54 5.40 17) 3.89 3.78	1.36 1.46	3574 3144	4.93*** 3.71***
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians Perceived Productivity (V82	5.54 5.40 17) 3.89 3.78	1.36 1.46 1.39 1.34	 3574	4.93***
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians	5.54 5.40 17) 3.89 3.78	1.36 1.46	3574 3144	4.93*** 3.71***
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians Perceived Productivity (V82 SAC Civilians	5.54 5.40 17) 3.89 3.78 1) 5.71 5.63	1.36 1.46 1.39 1.34	3574 3144 3273	4.93*** 3.71*** 3.26**
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians Perceived Productivity (V82 SAC Civilians Other Civilians	5.54 5.40 17) 3.89 3.78 1) 5.71 5.63	1.36 1.46 1.39 1.34	3574 3144 3273	4.93*** 3.71*** 3.26**
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians Perceived Productivity (V82 SAC Civilians Other Civilians Other Civilians	5.54 5.40 17) 3.89 3.78 1) 5.71 5.63	1.36 1.46 1.39 1.34	3574 3144 3273	4.93*** 3.71*** 3.26**
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians Perceived Productivity (V82 SAC Civilians Other Civilians Other Civilians Job Related Satisfaction (V SAC Civilians Other Civilians Other Civilians Other Civilians	5.54 5.40 17) 3.89 3.78 1) 5.71 5.63 822) 5.53 5.41	1.36 1.46 1.39 1.34 1.22 1.26	3574 3144 3273 22169	4.93*** 3.71*** 3.26**
Pride (V811) SAC Civilians Other Civilians Advancement/Recognition (V8 SAC Civilians Other Civilians Perceived Productivity (V82 SAC Civilians Other Civilians Other Civilians Job Related Satisfaction (V SAC Civilians Other Civilians	5.54 5.40 17) 3.89 3.78 1) 5.71 5.63 822) 5.53 5.41	1.36 1.46 1.39 1.34	3574 3144 3273 22169	4.93*** 3.71***

Property Reservation Landers and



ORGANIZATIONAL ASSESSMENT PACKAGE SURVEY

FACTORS

AND

VARIABLES

JANUARY 1986

LEADERSHIP AND MANAGEMENT DEVELOPMENT CENTER AIR UNIVERSITY Maxwell Air Force Base, Alabama 36112-5712

FACTORS AND YARIABLES OF THE ORGANIZATIONAL ASSESSMENT PACKAGE

conduct research on Air Force systemic issues using information in the GAP database, (b) provide leadership and management training, and (c) provide management community, and (c) provide management communitation service to Air Force communders upon request. force Numan Resources Laboratory and the Leadership and Management Development Center (LMDC) and is used to eid LMDC in its missions to: (a) The DAP is a 109-item survey questionnaire designed jointly by the Air

Allowable responses to the attitudinal items on the survey range from I (low) to 7 (high). The attitudinal items are grouped into 25 fectors that address such areas as the job itself, management and supervision, communications, and performance in the organization. Each data record consists of 7 externally coded descriptors and 24 demographic items as well as the responses to the 93 attitudinal items.

The fectors measured by the GAP are grouped into e systems model to essess three aspects of a mork group: imput, process, and output (edapted from McGrath's model).

Input. In LMDC's edaptation of the model, input is comprised demographics, work itself, end job enrichment.

A. Demographics. Descriptive or background information about the respondents to the DAP survey.

80

8. Work [tself. The work fiself has to do with the task properties (technologies) end environmentel conditions of the job. It essenses the petterns of characteristics members bring to the group or organization, and patterns of differentieties on integration among position and rules. The following DAP factors measure the work [tself:

006 - Job Desires (Need For Enrichment) 810 - Job Performance Goals 812 - Task Characteristics 813 - Tesk Autonomy 814 - Work Repetition 816 - Desired Repetitive Easy Tesks 823 - Job Releted Training

Desired Repetitive Easy Tesks Job Releted Training Job Influences (not a statistice) factor)

C. Job Enrichment. Measures the degree to which the job itself is inveresting, meaningful, challenging, and responsible. The following GAP factors measure job enrichment:

80C - Shill Variety
803 - Task identity
804 - Task Significance
805 - Dab Feedback
806 - Need for Enrichment Index (Job Desires)
807 - Job Motivation Index

808 - 0J1 Total Score 809 - Job Motivetion Index - Additive 825 - Motivetion Potential Score

Mork Group Process. The work group assesses the pattern of activity and interaction among the group members. The following DAP fectors meesures leadership and the work group process:

805 - Performance Berriers/Blockeges (Work Support)
818 - Menagement and Supervision
819 - Supervisory Communications Climate
820 - Organizational Communications Climate
Work Interferences (not e statistical factor)
Supervisory Assistance (not a statistical factor)

Mork Group Output. Measures task performance, group development, end effects on group members. Assesses the quantity end quelity of task performance and alteration of the group's reletion to the environment. Assesses changes in positions and role patterns, end in the development of norms. Assesses changes on skills end ettitudes, end effects on edjustment. The following OAP factors measure the work group output:

211 - Pride 817 - Advancement/Recognition 817 - Mort Group Effectiveness (Perceived Productivity) 822 - Job Related Satisfaction 824 - General Organizational Cilmate

EXTERNALLY CODED DESCRIPTORS

Betch Number

Julien Dete of Survey

Major Command

Bese Code

Consultetion Method

Consultant Code

Survey Yerston

These items are concetenated to each date record during EDP processing.

Statement Total months in present career field:	1. Lass then I month 2. Nove than I month, lass then 6 months 3. More than 8 months lass then 12 months		 More then 24 months, less than 36 months More than 36 months 	letel months et this station:		4. Nore than 12 months, less than 18 months 5. More than 18 months, less than 24 months 6. More than 24 months, less than 36 months	7. More then 36 months	istal souths in present position:	More then	5. Nort than 14 months, less than 16 months 6. Nort than 24 months, less than 24 months 7. More than 36 months, less than 36 months 7. More than 36 months	Your Ethnic Group is:		J. Wisch. for of hispenic drigin 4. Mispanic 5. White, for of hispenic drigin	s. Other Which of the following "best" describes your maritel status?	0. Norried: Spouse is a civilian employed activities employed activities have a civilian employed. 2. Married: Spouse is a civilian employed.
Statement Humber	1						•	•			10			n	
Variable Member 004				8			3	\$			£00			8	
DEMOGRAPHIC (TEMS (NOT A STATISTICAL FACTOR)	A Statement Statement	- Separation's Code	- Nort Group Code		Town age 1s	· fow are (efficer, enlisted, 65, etc.)	· Tour pay grade is	. State of S	35 M Dag	The above Items are on the response sheet.]	- (Bet weed)	(Met used)	letal years in the Air Force:	1. Less than 1 year 2. Mere than 1 year, less than 2 years 3. Mere then 2 years, less than 3 years	
	Variet.					•	•			(B Ce	<u>§</u>	õ	68		

		•				
Statement	Your work requires you to work primarily: 1. Alone 2. With one or boo people 3. As a small work group (3-5 people) 4. As a lerge work group (6 or more people) 5. Other	What is your usual work schedule? 1. Dey shift, mormally stable hours 2. Swing shift (about 1600-2400) 3. Hid shift (about 2400-0800) 4. Rotating shift schedule 5. Day or shift work with irreguler/un-	stable hours 6. Frequent TDT/Level or frequently on- call to report to work 7. Crew schedele Now often does your supervisor held group meetings?	1. Mever 4. Weekly 2. Occasionally 5. Defly 3. Monthly 6. Continuously Now often are group meetings used to solve problems and establish goels?	 Never 3. About helf the time Occesionally 4. All of the time What is your earonautical rating and current status? 	1. Monrated, mot on effered 2. Monreted, more on effered 3. Reted, in error/operetions job 4. Nated in encourte in the
Statement Number	Ħ	2	13	2	51	
Verieble Banber	9 6	\$10	910	017	9 10	
Statement Your highest education level obtained is:	72 25	÷ 3	J. M.O Academy (MCO Passe 4) 6. Sentor MCO Academy (MCO Phase 5) 5. Squadron Officer School 6. Intermediate Service School (1.e., ACSC, 7. Sentor Service School (1.e., AAC, ICAF, WHC)	Now many people do you directly supervise? 1. Kone 5. 4 to 5 2. 1 6. 6 to 8 3. 2 7. 9 or more	Tor New many people do you write performance reports? 1. Mone S. 4 to 5 2. 1 6. 6 to 8 2. 2 7. 9 or more	Dees your impereisor actually write your perfermance report? 1. Tes 2, No 3, Mot ours
Statement Number		•		• .		0
Variable Number 009	· · ·	010	82	T 20		C

žĺ	Maich of the following best describes your cemeer or employment intentions?	1. Planning to retire in the mex 12 months	1) continue in/with the Air Force as a	3. Will most likely continue in/:ith the	Air force	y continue in/with the Air lonce	Will most likely not make the Air Ferce	Control	6. Will separate/terminate from he Air	Farre as them as most (ble
Statement	Ceres	+	7. ×		Ā	-	5. VI	•		5
Statement	*									
Tariable	610									

MDIE: Variable 000, Statement II was added to the GAP on 19 Jan 80 and replaced variable 014 which appears on page 6. Although no longer esed, Veriolle 014 is still shown because data collected from about 25,000 samples for this variable are still in the data base.

では、これでは、これでは、これが、これが表現のでは、「これがある。」では、これがないできない。「これでは、これがないできない。」では、これがないできない。これがないできない。「これがある」とは、「これがある」というできない。

Each 800 saries factor consists of two or more variables which correspond to statements in the GAP. A mean score can be derived for each factor except 805, 807, 808, 809 and 825 by using a "streight everage." The formula for computing the exceptions is indicated.

FACTOR BOO - SKILL VARIETY: Measures the degree to which e job requires a veriety of different tests or activities in cerrying out the work; involves the use of a number of different skills and talents of the worker; skills required ere valued by the worker.

Statement	To what extent does year Job require you to do many different things, using a variety of your talents and stills?	To what extent does your job require you to use a number of complex skiffs?
Statement Rumber	2	£
Variable Number	ž	212

FACTOR BOI - TASK IDENTITY: Measures the degree to which the job requires completion of a "whole" and identifiable piece of work from beginning to end.

Statement	To what extent does your job involve doing a whole task or mait of wark?	To what extent does your Job provide you with a chance to finish completely the piece of work you have begun?
Statement Bumber	•	2
Variable Number	22	112

FACTOR BOZ - 185K SIGHIFICANCE: Mesures the degine to which the job has a sestimitial importance of the job.

Statement	To what astent is your job significant in that it affects others in some important way?	To what extent does doing your job well affect a lot of propie?
Statement Bumber	•	<i>t</i> 2
ari se i	ē	012

FACTOR BOM - JOB FEEDBACK: Neasures the degree to which certying out the work activities required by De job results in the worker obtains close and direct information obout job outcomes or information on good and poor performance.

FACTOR BO3 (MOT USED)

Statement	To what astant are you able to determine how well you are deing your jeb wilhout feedback from enyone else?	To what extent door your job provide the chance to know for yourself when you do e economically for your own want?
Statement	22	z
War lab le	212	602

84

FACTOR 805 - MORE SUPPORT: Measures the zegree to which work performance is NITMETER BY JOSTITIONAL METALIS, details, indeequate tools, equipment, or work space.

Stitepat	To what satent do additional detics later- fars with the performance of year primary job?	in white extent de you have edecuate tools and equipment to accomplish your job?	To what extent is the answer of work space provided adequate?
Statement Rumber	2	56	ĸ
Terisbie Berber	ž	22	Ē

[8-704-207-208]/3 Formula.

FACTOR 806 - NEED FOR ENRICHMENT INDEX (JOB DESIRES): Hes to do with job related Characteristics (actionomy, personal growth, ose of skills, otc.) that the individual would like in a job.

Statement	(in my job, I would like to have the charecteristics describedfrom "not at all" to "an axtramely lerge amount")	Opportunities to heve independence in my work.	A job that is meaningful.	The opportunity for personal growth in my job.	Opportunities in my work to use my skills.	Opportunities to perform e variety of tasks
Statement	would like to have	15	25	æ	*	SS
Variable Number	fin my job, i describedfr	692	052	152	252	523

FACTOR BOT - JOB MOTIVATION INDEX: A composite index derived from the six job desprecessing Edit reflects the overeil "motivating potentiel" of e job; the degree to which e job will prompt high internal work motivation on the part of job encumbents.

tasks.

index is computed using the following factors:

Task identity	Task significence	Parformance barriers/blocke	Task euthiony	Job fae B.sch
108	805	808	613	804
				801 Task identity 802 Task significence 805 Farformante barriers/blockeg 813 Task eutonomy

.

[(800+801+802+805),/4)+813+804 Formale. FACTOR 808 - OJI TOTAL SCORE: Assesses one's perception of motivetion provided by his or har job. This fector is a varietion of a scale employed by other job motivation theorists.

Score is computed using the veriables in the following formula:

(WZ01-WZ02-WZ03-WZ711-WZ71-WZ72 -8-WZ06-WZ07-WZ08-1209-WZ10 +9Z11-WZ12-WZ13) For

FACTOR 839 - JOS MOTIVATION INOCK ---- ADDITIVE: This factor is a vertation of a scent majoree by ether Jos motivetion theorysts.

Index is computed using the following factors:

Skill veriety	fest identity	lest significance	Performance berriers/blockages	lest autonomy	der repetition
8	ē	208	504	=	¥

Formula ((800-801-802-805)/4)-813-804

FACTOR 8:0 - JOB PERFORMANCE SCALS: Measures the extent to which Job performance goals are clear, specific, mediatic, understandable, and challenging.

T L	le what extent do you know exactly whet is expected of you in perferming your jeb?	To what extent era your job performance poels difficult to accomplish?	le whet extent are your job perfermance goeis cleer?	to whet extent ere your leb perfermence poels specific?	le what extent ere your job perfermance pools reclistic?
Statement Bumber Statement	Toda:	35 To #50	Me Te who	10 To 50	7
Varieble S	21.7	912	173	274	122

FACTOR 811 - PRIDE: Measures the pride in one's work.

Stateent	Te what extent ere you proud of your Job?	Te whet extent does your work give you a feeling of pride?
Statement Mumber	Ħ	3
Wariable Rumber	\$15	\$12

=

FACTOR 812 - TASK CAUBACTERISTICS: A combination of skill veriety, task TGANETTY, LASK SIGNIFICENCE, and Jub feedback designed to measure several espects of one's Job.

	Stetement	To whet extent does your job require you to do many different things, using e verifety of your talents and skills?	To write extent does your Job involve doing a whole task or unit of work?	To whet extent is your job significent, in the the it effects others in some important way?	To what estant ere you able to determine how well now ere defing your job without feedback from anyone else?	To what extent does your job provide the chance to know for yourself when you do a good job, and to be responsible for your own work?	To whet extent does doing your job well effect e lot of people?	To whet extent does your job provide you with a chemce to finish completely the piece of work you have begun?	to what extent does your job require you to use a number of complex skills?
Statement	Rumber	13	2	61	22	92	12	8 2	£
91071191	- Hamber	Ē,	202	ē	212	\$ 02	012	112	212

FACTOR 813 - TASK AUTOMORT: Measures the degree to which the job provides Traccom to do the work as one sees fit; discretion in scheduling, decision making, end meens for eccomplishing e job.

Statement	To whet extent does your job provide a great deel of freedom and independence in scheduling your work?	To what extent does your job provide e greet deel of freedom and independence in selecting your own procedures to accomplish it?	To what extent does your job give you freedom to do your work as you see fit?	To whet extent ere you allowed to make the major decisions required to perform your job well?
Statement	2	≅	2	Ħ
furber	0/2	271	cu:	\$14

To what extent are you baing prepared to accept increased responsibility?	To what extent do people who perform well receive recognition?	To what extent do you have the opportunity to learn skills which will improve your promo-	Errision (A): Mesures the degree to which the	worder has high perioraance standsrds and good work procedures. Messures support and juidsnice received, and the overeil quality of supervision.	St. tement	ity supervisor is a good planeer.	My supervisor sets high performance stendards.	My supervisor encourages teamork.	My supervisor represents the group et eil times.	My supervisor establishes good work proceduris.		by supervisor has made his responsibilities clear to the group.	My supervisor fully axplains precedures to each group member.	My supervisor performs well under pressure.	FACTOR - MANAGEMENT SAN SUPERVISION 18): (NOT A STATISTICAL FACTOR)	Statement	My supervisor takes time to help me when needed.	My supervisor lets se knowwhen I am doing a poor job.	When I need technical advice, I usually go to . my supervisor.	•
3	\$\$	5	MANAGENENT and SUP	on performance stareceived, and the	Sts tement Humber	33	8	3	3	23	5	3	9	59	GENERT SAN SUPERT	Statement Number	3	r.	22	
540	141	\$15	FACTOR 818 -	and guidance	Tarfable Mumber	909	405	410	11	412	;	:	Ş	;	FACTOR - MARA	Variable Number	•≈•	•	*	
FACTOR 814 - VORE REPETITION: Messures the extent to which one performs the same tasts or recis the same type of problems in his or her fob on a regular basis.	Statement	To what extent do you perform the same tasks ropestedly within a short period of time?	In what extent one you foced with the seasty in the seasty problem on a weekly besits!		FACION 815 - DESIRED MPETITIVE EAST TAXES: Preserve the match one		(† 2 Cement	A (ab in which tasks are constitute.	A job in which tasks ore relatively easy to		FACTOR - JOB INCLUENCES (NOT A STATISTICAL FACTOR):		To his stant de you feel accountable to	To what extent do co-workers It your sork	prompt an interior mayor activated by performance:	FACION 817 - ADYANCIMENT/RECOGNITION: Messures and's paraness of advancement and recognition, and realings of being prepared (i.e., learning new skills for parametric).		To what estant are you meers of promotion/ad-	To wat attent do you have the opportunity to prepares us your cerean ledder!	2
the same type of p	Statement Bumber	2	3	10001	SIREO REFEITING E		Statement	3	2 2		INTERCES (NOT A ST	Statement	a	~		DYANCEMENT/RECOGNITION, and Teelings of	Sts tement	-	3	
FACTOR 314 - 1 Lasts or facts	Vertable Member	927	' 23'	FACTOR 615 (MOT USED)	FACTOR 815 - 6	Accomplish.	Terisble	75	. .		FACTOR - 308 1	Tariable	2	X.		FACTOR 817 - A	12.12.10	12	\$13	

FACING 519 - SUPERVISCRI COMMUNICATIONS CLIMATE: Measures the degree to which the modifier perceives lift there is spood writely environment. But there is a pood working environment, that innervision for task improvement is encouraged, and that measures are based upon performance.

THE PERSON OF TH

formance.	Statement	My supervisor sits members for the r ideas an task improvements.	My supervisor explains how my job contributes to the precedit mission.	My supervisor helps me set specific goals.	My teperaliser lets us know when I us duling a pool job.	We separation always helps me improve my performance.	W supervisor insures that I get jub related training when meeded.	My job performance has improved aus to feed- back received from my supervisor.	by supervisor frequently gives as leedback on how well I am doing my job.
Use reserve are based upon performance.	Statement	6	3	5	07	2.2	ç	2	3 2
52.00	Variable Meder	921	878	•31	133	135	1,1	13/	~

factor 8.0 - Ordanizational communications climate: Passures the degrie to unith the worker perceives Use Users is an open communications environment in the organization, and that seequate information is provided to accomplish the job.

ħ.

Statement	ideas dereloyed by my work group are readily accepted by management personnel allows my supervisor.	My erganization provides all the meessary information for me to do my job effectively.	My organization provides adequate information to my work proup.	My work group is usually aware of important events and situations.	My complaints are aired satisfactorify.	The information in my organization is widely shared so that those needing it have it
Statement	~	3	1	2	1	:
Variable	3 0	100	200	Ę K	ğ	Š

96 My organization has clear-cut goals.	19 The goels of my organizetion are reasonable.	100 My organization provides accurate information to my work group.	FACTON 621 - WORK GROUP EFFECTIVENESS: Meesures one's view of the quantity, quality, and efficiency of work generaled by his or her work group.	Statement Statement Statement	77 The quentity of output of your work group is very high.	18 The quality of output of your work group is very high.	79 When high priority work arises, such as short suspenses, cresh programs, and schedule changes, the people in my work group do en outstanding job in handling these situations.	80 Tour work group elweys gets maximum output from available resources (e.g., personnel and materiel).	81 Tour work group's performence in comparison to statiar work groups is very high.	FACTOR - WORK (NIERFERNCES (MOT A STATISTICAL FACTOR): Identifies things that impede an individuel's Job performance.	Statement Statement Mumber	as To what extent do you have the mecessery supplies to eccomplish your job?	49 To what extent do details (tesk not covered by primary or additional dety descriptions) interfere with the performance of your primary job?	SO To what extent does a bottlemeck in your organization seriously affect the flow of work either to or from your group?
314	317	910	FACTOR 821 - MORK Quellity, and efficient	Verlable Resper	\$\$2	92	361	792	592	FACTOR - WORK [WIE	Variable Humber	112	278	279

FACTOR 322 - JGS RELATED SATISFACTION: Measures the degree to which the worker

AND TO SECURE OF THE PROPERTY OF THE PROPERTY

is generally	satisfied with factor	is generally satisfied with factors surrounding the job.	parception of teamont, com	his or her argent.	parception of his or her organizational environment es a whole (i.e. spirit of teamork, communications, organizational pride, atc.).
2		Statement	Varieble	Statement	
202	1 01	feating of Neipfulnass The Chence to help propia and improva their welfers through the performance of my job. The importance of my job performance to the welfers of athers.	308	3	description is very interested in the attitudes of the group sembers toward their johs.
100	201	Co-works Raincionships	306	2	My organization has a vary strong intarest in the weifers of its people.
		by account of strict competers to the strait of any co-contert, the extent to inicial my ca-contert share the lase, and the spirit of teamort which exists among my co-conters.	, gg	& &	I am vary proud to work for this organization. I feel responsible to my organization in
710	103	Camily Attitude Toward Joh The recognition and the pride my family has in the work I do.	310	24	accompilating its mission. Parsonnel in my unit ere recognizad for out- standing performance.
111	2		311	2	I am usually given the opportunity to show or demonstrate my work to others.
	3	went per week.	312	ı	There is a high spirit of teamwork among my co-workers.
8 1/	/01	Job Security	CIC	\$6	Thare is outstanding cooperation between work
417	9 0	Acquired Veluable Skills The Chance to acquire valuable skills in my job which propers me for fature apportunities	318		groups of my organization. I fast notivated to contribute my best
123	<u>\$</u>	Py Job es a Wale	316	8	My organization rewards individuels based on
ACTOR 823 -	JOS RELATED TRAINING:	FACTOR 823 - JOB RELATED TRAINING: Measures the extent to which one is satisfied with on-the-job and behalvel training received.	FACTOR 025 - 1	HOTIVETION POTENTIA	FACTOR 025 - HOTIVETION POTENTIAL SCORE: This factor is another vy fetton of e
Variable	Statement Bumber	Statement	scela employed 343 with 109 (Job. Score is	d by other job moti being tha Air Force s computed using th	scela employed by other job motivetion theorists. The score rangus bathean I and 243 with 109 being tha Air Force averege, tow scores indicate a poorly motivating Job. Score is computed using the following factors:
11.	2	On-tha-Job Treining (QJT) The TQT instructional methods and instructors' competence,	000	Still variety Tesk identity	20
211	Ē	Technical Training (Other then OJT) The Technical Training I have received to neclear the certain the	100	lask significance Job faedbeck Tesk autonomy	Ticked to the second of the se
			formule (&	formule ((800-801-802)/3)-813-804	70

formule ((800-801-802)/3)-813-804

.

~

*
-
_
80
••
3

Statement Statement Statement	91.1 30 To what astent does your job give you freedom to do your work as you see filt?	313 31 To white extent are you allowed to make the major decisions required to perform your job wall?	811 32 To what axtent ere you proud of your job?	33 To what a tank do you feel accountable to your supervisor in accomplishing your job?	810 34 To what axiant do you know exactly what is expected of you in performing your 100?	B10 35 To what artent are your job performance goals difficult to accomplish?	4 3	816 38 To what extent are year job performance goals realistic?	1	814 39 To what extent do you perform the same tasts repeatedly within a short period of time?	814 40 To what axtent are you faced with the same type of problem on a wently basis?	. This variable is an alement of "job influences" (not a statistical factor).
Tariable	E2	\$11	SIS	-9112	212	312	22	iz	\$2	-	íz.	factor).
Statement	To what axtest dues your job requira you to do many different tologs, using a variety of your telests	and stills? To what astent does your jeb immelve doing a <u>ubbils</u> tast or unit of wort?	To what artest is your job significant, in that it affects athors in some	(pesh leg)	To what artant do additional dutias interference of your primary job?	To what extent do you have adequate to be a second take your job?	le unit extrat is the amount of work space provided adoptate?	To what extent does your jeb provide	you do a good leb, and to but respectful for your on word?	To what extent does doing your Job well affect a let of people?	To what extent does your job provide you with a chains to finish completely the piece of work you have begind	to what extent does your job require you to use a number of complex skills?
Statement	r.	•	2	:	ລ	*	×	z		*	æ	2
7 to	218/008	218/160	. 19/209	;	ē	ğ	Š	218/908		218/208	219/108	218/008
Verieble Rember	ឨ	202	ê	: 562 9 762	ž	2	Ę	£		912	112	212

Statement	(Ret used)	A job in which tasks are relatively easy to accomplish.	The quantity of output of your work group is very high.	The quality of output of your work group is vary high.	When hige priority work arises, such as short suspenses, crash programs, and schedule changes, the propine in my unter group do an outstanding table handles bear	studios.	Tour work group always gets maximum outpet	material).	Your work group's performance in comparison to similar work groups is very high.	(Mot used)	To what extent does your job provide a great deal of freedom and independence in schedeling your wort?	Trees a shipman follows and sadded the of	deal of fradom and independence in selecting your oun procedures to accomplish it?		well you are defing your job without feetDack from anyone else?
Statement	:	5	11	78	7\$	L.	8		:	:	٤	,	;	:	:
Factor	:	918	128	12#	នឹ	1			12	:	5		}	18/813	
Variable Rember	152 8 952	258	652	98	192	196 7 696	5		592	592-992	270	111		212	
Statement	(Ref case)	To but 2 grant are you asses of promotion/adsercement opportunities that	(Pets 30H)	To what attent de co-worters in your work group emintain high standards of performance;	To what extent do you have the opportunity to progress up your career indder?	To what extent are you being prepared to accept increased responsibility?	Te what extent de people who perform well recaive recegnition?	(pof eseq)	Opportunities to have independence in my work?	A job that is meaningful.	The apportunity for personal granth in dy job.	Opportunities in my work to use my skills.	Opportunities to perform a variety of tasks.	(Not wied)	A job is which tasks are repetitiva.
Statement	:	-	:	\$	Ş	3	\$:	2	25	\$	z	\$:	×
Fec tor	:	23		;	118	11	710	:	2	ž	ğ	Š	ğ	:	914
Vertable Benter	226-233	2	765-203	.	ž	9	152	242-248	672	Š	:	252	(32	\$\$2	592

SOCIAL SO

91

Statement	My work group is usually ename of important events and situations.	'My completats are aired satisfectorily.	My organization is very interested in the attitudes of the group members toward their	jobs. My organization has a very strong interest in the weffera of its people.	f as very proud to work for this	erganization. I feel responsible to my organization in accomplishing its mission.	The information in my organization is videly shored so that those meeding it have it avoidable.	Personnel in my unit one recognized for	estitantial performance. I am usually given the opportunity to show or demonstrate any work to others.	There is a high spirit of teamork among my	There is outstanding cooperation between work groups of my organization.
Statement		3	1	3	6	8	=	26	2	z.	*
Fector		8	52	57	\$28	ž	8	ž	728	ž	128
Variable Remor	Ř	ğ	205	306	Ř	8	Ş	910	311	312	22
Statement	To what extent are your jeb perfermance goeis clear?	is what autant are your jeb performance goals specific?	to what astant does your work give you a	Te what astant do you have the opportunity to learn skills which will improve your promotion patential?	le what extent do you have the recassory supplies to accomplish your job?	Te what extent do details itast not covered by primary or additional daty descriptions! Interfere with the performance of your primary job?	Te what antent does a battlaneck 'r your arganisation seriously affect the flow of work alther to or from your group?	(Not esad)	idess developed by my work group are readily accepted by management personnel above my supervisor.	My organization provides all the necessary information for me to do my job effectively.	My organization provides adequate infernation to my work prove.
Statement	*	37	3	5	ç	•	S.	:	~	2	3
F 86:92	e	9	Ë	=	:	1	:	:	8	£	8
Variable Rumber	873	₽ £2	\$15	9/2	**112	278	***	280-295	8	ž	Ã

いなられる。

** These variables are alements of "work interferences" (not a statistical facturi.

2

rariable for	Fector	Statement	Statement	Variable Rumber	Factor	Statement Number	Statement
•11	2	*	My erganization has clear-cut goals.	929	618	63	My supervisor asks members for their ideas on
318	2		i feel motivated to contribute my best afforts to the mission of my organization.	124	:	:	(Act ased)
910	929		My organization rewards individuals based on performance.	827	•	3	My supervisor explains how my job contributes to the overall mission.
11,	029	2	the goals of my organization are reasonable.	00 7 621	:	;	(Mot ased)
318	2	8	My organization provides accurate information to my work group.	1	619	3	My supervisor helps as set specific goals.
319-403	;	. 1	(P. 000 100 100 100 100 100 100 100 100 10	7	:	:	(Met esed)
ş	:	3	My seperation is a good planmer.	433	•	2	My supervisor lets me then when I am doing a good job.
Ş	:	\$	My separation sets high performance standards.	434	:	11	My supervisor lets me know when I am doing a poor job.
607 - 909	:	;	(met wied)	435	613	22	My sapervisor always helps me improve my
0.	:	3	My supervisor excourages teamort.	ţ		;	
11.	=	5	My sapervisor represents the group at all	Ť	418	2	My supervisor inseres that I get job related training when needed.
213	=	~	Ny supervisor astabilishes good work	43 /	618	9 2	My job performance has impresed due to feetback recaived from my supervisor.
	;	;		87	:	:	(Bot osed)
3	:	2	by supervisor and mose his responsibilities clear to the graup.	439***	:	75	When I need technical advice, I esually go to my supervisor.
914 P 918	:	:	(Not esed)	140 4 041	:	:	
416	=	53	My supervisor performs well under pressure.			:	
627-619	:	:	(mot osed)	š	•	•	by supervisor frequently gives me feedback on how well I am deing my Job.
627	:	3	My supervisor taken time to help m when	*** 7 5**	:	:	(Not esed)
£	•	:	(Bet ased)	ĩ	:	3	My supervisor fully expiains procedures to each group member.
	140,000		ere Toda and and is an alament of "summer lager activizate" (mak a statistical	446-704	•	:	(Not ased)
fector).				fector).	441140	las are alements	oos These variables are elements of "supervisory assistance" (not a statistical factor).

••• These variables are elements of "supervisory assistance" (not a statistical factor).

Statement Feeling of Malpfulaces The Chims to Walp people and improve their unifer through the performance of my job. The improvement of my job performance to the	(Mot seed)	Co-worker Relationships W majorit of siferit compared to the affort of or co-workers, the extent to which ap or co-workers there the load, and the spirit of themself which exists among my co-workers.	Family Attitude Temand Job The recognition and the pride my family has to the wort 1 do.	De-the-Job Fraining (QJI) The TQT Instructional selbeds and instructors' computence.	Technical Trateiny (Other than OJT) The Bechrical Uniting I have received to perform by current job.	(Met esed)	Next Schedule Figurative Residuals: Flexibility and regularity of my work schedule; the number of hears I work per most.	Jeb Security	Accelerat Valeable Stills The Chance to Acquire valuable stills in my job which propers me for fetere apportunities.	(Net esed)	by Job as a whole	(But sted)
Statement For	:	162	101	ž	20	:	5	101	2	:	Ē	:
2 2	:	ğ	£	3	8	i	Ē	Ē	ğ	:	2	:
	766-70	£	91.0	181	211	113-116	111	2:0	922	120.72	123	124-999

×

THE REPORT OF THE PROPERTY OF